

GenCore version 5.1.3  
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OM protein - nucleic search, using frame\_plus\_p2n model

Run on: January 15, 2003, 01:03:20 ; Search time 201.444 Seconds

(without alignments)  
436.033 Million cell updates/sec

Title: US-09-695-369a-27\_COPY\_1\_197

Perfect score: 1100

Sequence: 1 MDCGENEXMDGRCVTCOR.....FEADTKAKESLEFPVPSKE 197

Scoring table: BLOSUM62  
Xgapop 10.0, Xgapext 0.5  
Ygapop 10.0, Ygapext 0.5  
Fgapop 6.0, Fgapext 7.0  
Delop 6.0, Delext 7.0

Searched: 393868 seqs, 222934149 residues

1 number of hits satisfying chosen parameters: 767736

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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-DB=Published.Applications\_NA -OFMT=fastap -SUFFIX=trmb -MINMATCH=0.1  
-LOOPEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=bitsum62  
-TRANS=human40.cdi -LIST=45 -DOCALIGN=200 -THR SCORE=pct -THR MAX=100  
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-DEV.TIMEOUT=120 -WMT.TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6  
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database: Published.Applications\_NA:

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- 2: /cg2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cg2\_6/ptodata/1/pubpna/US06\_PUB\_PUB.seq:\*
- 4: /cg2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cg2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cg2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*
- 7: /cg2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cg2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cg2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*
- 10: /cg2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*
- 11: /cg2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*
- 12: /cg2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq:\*
- 13: /cg2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*
- 14: /cg2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	1100	100.0	932	10	US-09-840-795-18
2	1086	98.7	905	9	US-10-119-466-11
3	495	45.0	546	10	US-09-840-795-16
4	483	43.9	1660	10	US-09-780-532-1

5	483	43.9	2870	9	US-10-174-590-473	Sequence 473, App
6	483	43.9	2870	9	US-10-176-758-473	Sequence 473, App
7	483	43.9	2870	12	US-10-052-586-473	Sequence 473, App
8	480	43.6	1325	9	US-09-780-532-3	Sequence 3, Appl
9	480	43.6	1502	9	US-10-114-893-120	Sequence 120, App
10	478	43.5	1914	10	US-09-780-532-5	Sequence 5, Appl
11	474	43.1	555	10	US-09-782-980-25	Sequence 25, Appl
12	474	43.1	642	10	US-09-782-980-24	Sequence 24, Appl
13	474	43.1	981	10	US-09-782-980-22	Sequence 22, Appl
14	471.5	42.9	474	10	US-09-840-795-14	Sequence 14, Appl
15	448	40.7	393	10	US-09-877-156-8	Sequence 8, Appl
16	406	36.9	363	10	US-09-782-980-29	Sequence 29, Appl
17	406	36.9	450	10	US-09-782-980-28	Sequence 28, Appl
18	406	36.9	623	10	US-09-877-156-9	Sequence 9, Appl
19	406	36.9	636	10	US-09-840-795-12	Sequence 12, Appl
20	406	36.9	655	10	US-09-878-980-26	Sequence 26, Appl
21	388	35.3	292	9	US-10-119-466-4	Sequence 4, Appl
22	142	12.9	1878	9	US-09-877-650-14	Sequence 14, Appl
23	142	12.9	1878	10	US-09-871-856-14	Sequence 14, Appl
24	142	12.9	4622	10	US-09-824-231-6	Sequence 6, Appl
25	140.5	12.8	1290	10	US-09-057-951-3	Sequence 3, Appl
26	140.5	12.8	1390	12	US-10-105-150-3	Sequence 3, Appl
27	140.5	12.8	2570	10	US-09-057-951-1	Sequence 1, Appl
28	140.5	12.8	2570	12	US-10-105-150-1	Sequence 1, Appl
29	140.5	12.8	2703	10	US-09-836-607-1	Sequence 1, Appl
30	137.5	12.5	1704	12	US-10-020-787-1	Sequence 1, Appl
31	137.5	12.5	1724	10	US-09-924-231-1	Sequence 1, Appl
32	137.5	12.5	1724	10	US-09-934-289A-14	Sequence 14, Appl
33	135	12.3	831	10	US-09-934-289A-43	Sequence 43, Appl
34	135	12.3	1334	9	US-09-899-429A-21	Sequence 21, Appl
35	135	12.3	1334	10	US-09-934-289A-41	Sequence 41, Appl
36	132.5	12.0	1929	10	US-09-934-289A-1	Sequence 1, Appl
37	132	12.0	705	10	US-09-907-263-3	Sequence 3, Appl
38	132	12.0	1641	10	US-09-758-124-1	Sequence 1, Appl
39	132	12.0	2224	10	US-09-800-909-1	Sequence 1, Appl
40	132	12.0	2224	10	US-09-800-909-2	Sequence 2, Appl
41	132	12.0	3683	10	US-09-954-456-1187	Sequence 1187, Ap
42	131.5	12.0	5870	10	US-09-838-718A-8	Sequence 8, Appl
43	131	11.9	558	10	US-09-934-289A-31	Sequence 31, Appl
44	131	11.9	579	10	US-09-934-289A-3	Sequence 3, Appl
45	131	11.9	591	10	US-09-934-289A-19	Sequence 19, Appl

## ALIGNMENTS

RESULT 1  
US-09-840-795-18  
Sequence 18, Application US/09840795  
Patent No. US20020143147A1  
GENERAL INFORMATION:  
APPLICANT: Murphy, Erin E.  
APPLICANT: Mattson, Jeanine D.  
APPLICANT: Bates, Elizabeth Esther Mary  
APPLICANT: Gorman, Daniel M.  
APPLICANT: Lebeque, Serge J.E.  
TITLE OF INVENTION: Mammalian Genes; Related Reagents  
FILE REFERENCE: SF0818K  
CURRENT APPLICATION NUMBER: US/09/840,795  
PRIOR FILING DATE: 2001-04-23  
PRIOR APPLICATION NUMBER: 09/351,777  
NUMBER OF SEQ ID NOS: 19  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 18  
LENGTH: 932  
TYPE: DNA  
ORGANISM: primate  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (78)..(770)  
NAME/KEY: misc.featue  
LOCATION: (782)  
OTHER INFORMATION: n; may be A, C, G, or T

Wrong svch 1-297! (vr did (2/22 B.O.B))

US-09-840-795-18

## Alignment Scores:

Pred. No.:	5,38e-111	Length:	932
Score:	1100.00	Matches:	197
Percent Similarity:	100.00%	Conservative:	0
Best Local Similarity:	100.00%	Mismatches:	0
Query Match:	100.00%	Indels:	0
DB:	10	Gaps:	0

US-09-695-369a-27\_COPY\_1\_197 (1-197) x US-09-840-795-18 (1-932)

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DB 78 ATGGATTGCGAAGAAATGAGTACTGGAGCCAAATGGGACGGGTGTGCACCTGCCACCG 137
C 21 CysGlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyAspAlaTyr 40
DB 138 TGTGTCCTGAGACAGAGCTATCCAGAGATTGGTTATGGAGGGGTGGAGATGCCCTAC 197
OY 41 CysThrAlaCysProProArgTyrTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
DB 198 TGCACAGCCTGCCCTCCCGCAGGTACAAAGACGCTGGGGCCACCAATGTGCAGAGT 257
OY 61 CysIleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsn 80
DB 258 TGCATCACTGTGCTGTATCAATCGTTTCAGAAAGGTCACTGCACAGCTACTAT 317
OY 81 AlaValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGln 100
DB 318 GCTGTCTGTGGGAGCTGTGTTCGCCAGGTCTACGAAAGACAGCATGGAGGCTGCAG 377
OY 101 AspGlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPhe 120
DB 378 GACCAAGAGTGCATCCCTGCACCAAGACCAACCCACCTCGAGGTTCATGTGCTTC 437
OY 121 GlnLeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuVal 140
DB 438 CAGTTAGCTTGTGGAGGCGATGACCCACAGTCCCTCCAGAGGCCACACTTGT 497
OY 141 AlaLeuValSerSerLeuLeuValAlaPheThrLeuAlaPheLeuGlyLeuPhePheLeu 160
DB 498 GCACGTGTGAGGAGCCCTGCTGTGTGTACCTCGCCCTCCGAGGGGCTCTTCCTC 557
OY 161 TyrCysLysGlnPhePheAsnArgHisCysGlnArgGlyGlyLeuLeuGlnPheGlnAla 180
DB 558 TACTGCAAGCACTTCTTCAACAGACATGCCAGCCGTGGAGGTTGCTGCAGTTGAGGCT 617
OY 181 AspLysThrAlaLysGlnGluSerLeuPheProValProProSerLysGlu 197
DB 618 GATTAACACGCAAGAGGAGATCTCTTCCCGTGCCACCCAGCAAGAGAG 668
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## RESULT 2

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US-10-119-466-11
; Sequence 11, Application US/10119466
; Patent No. US20020168674A1
; GENERAL INFORMATION:
; APPLICANT: Chui, Clarisse
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Milton, Sean
; APPLICANT: Yan, Minhong
; APPLICANT: Yi, Sothy
; TITLE OF INVENTION: CLONING METHOD
; FILE REFERENCE: P1797
; CURRENT APPLICATION NUMBER: US/10/119,466
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: US/09/480,782
; PRIOR FILING DATE: 2000-01-10
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 11
; LENGTH: 905
; TYPE: DNA
; ORGANISM: Homo sapiens
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; FEATURE:
; NAME/KEY: Homo sapiens
; LOCATION: 1-905
; OTHER INFORMATION: Sequence source: ORF position 4 - 903 bp
US-10-119-466-11
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Pred. No.:	1086.00	Matches:	196
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Percent Similarity:	98.99%	Mismatches:	0
Best Local Similarity:	98.49%	Indels:	2
Query Match:	98.73%	Gaps:	1
DB:	9		

US-09-695-369a-27\_COPY\_1\_197 (1-197) x US-10-119-466-11 (1-905)

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OY 1 MetAspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20
DB 4 ATGGATTGCGAAGAAATGAGTACTGGAGCCAAATGGGACGGGTGTGCACCTGCCACCG 63
OY 21 CysGlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyAspAlaTyr 40
DB 64 TGTGTCCTGAGACAGAGCTATCCAGAGATTGGTTATGGAGGGGTGGAGATGCCCTAC 123
OY 41 CysThrAlaCysProProArgTyrTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
DB 124 TGCACAGCCTGCCCTCCCGCAGGTACAAAGACGCTGGGGCCACCAAGATGTGCAGAGT 183
OY 61 CysIleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsn 80
DB 184 TGCATCACTGTGCTGTATCAATCGTTTCAGAAAGGTCACTGCACAGCTACTAT 243
OY 81 AlaValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGln 100
DB 184 TGCATCACTGTGCTGTATCAATCGTTTCAGAAAGGTCACTGCACAGCTACTAT 243
OY 101 AspGlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPhe 120
DB 244 GCTGTCTGTGGGAGCTGTGTTCGCCAGGTCTACGAAAGACAGCATGGAGGCTGCAG 303
OY 121 GlnLeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuVal 140
DB 304 GACCAAGAGTGCATCCCTGCACCAAGACCAACCCACCTCGAGGTTCATGTGCTTC 363
OY 141 AlaLeuValSerSerLeuLeuValAlaPheThrLeuAlaPheLeuGlyLeuPhePheLeu 160
DB 364 CAGTTAGCTTGTGGAGGCGATGACCCACAGTCCCTCCAGAGGCCACACTTGT 423
OY 161 TyrCysLysGlnPhePheAsnArgHisCysGlnArg-----GlyGlyLeuLeuGlnPhe 178
DB 424 GCACGTGTGAGGAGCCCTGCTGTGTGTACCTCGCCCTCCGAGGGGCTCTTCCTC 483
OY 179 GlnAlaAspLysThrAlaLysGlnGluSerLeuPheProValProProSerLysGlu 197
DB 484 TACTGCAAGCACTTCTTCAACAGACATGCCAGCGTGTACAGAGGTTGCTGCAGTT 543
OY 544 GAGGCGATTAACACGCAAGAGAGATCTCTTCCCGTGCCACCCAGCAAGAGAG 600
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RESULT 3
US-09-840-795-16
; Sequence 16, Application US/09840795
; Patent No. US20020143147A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Erin R.
; APPLICANT: Mattison, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Geerman, Daniel M.
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian Genes; Related Reagents
; FILE REFERENCE: SP0818K
; CURRENT APPLICATION NUMBER: US/09/840,795
; CURRENT FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 09/351,777
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 19
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SOFTWARE: PatentIn Ver. 2.0
Seq ID NO 16
LENGTH: 546
TYPE: DNA
ORGANISM: primate
FEATURES:
  NAME/KEY: CDS
  LOCATION: (78)..(308)
  NAME/KEY: misc_feature
  LOCATION: (317)
  OTHER INFORMATION: n; may be A, C, G, or T
  NAME/KEY: misc_feature
  LOCATION: (340)
  OTHER INFORMATION: n; may be A, C, G, or T
  NAME/KEY: misc_feature
  LOCATION: (351)
  OTHER INFORMATION: n; may be A, C, G, or T
  NAME/KEY: misc_feature
  LOCATION: (389)
  OTHER INFORMATION: n; may be A, C, G, or T
  NAME/KEY: misc_feature
  LOCATION: (398)
  OTHER INFORMATION: n; may be A, C, G, or T
  NAME/KEY: misc_feature
  LOCATION: (428)
  OTHER INFORMATION: n; may be A, C, G, or T
  NAME/KEY: misc_feature
  LOCATION: (429)
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  NAME/KEY: misc_feature
  LOCATION: (433)
  OTHER INFORMATION: n; may be A, C, G, or T
  NAME/KEY: misc_feature
  LOCATION: (452)
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  LOCATION: (468)
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  NAME/KEY: misc_feature
  LOCATION: (483)
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  NAME/KEY: misc_feature
  LOCATION: (534)
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  NAME/KEY: misc_feature
  LOCATION: (541)
  OTHER INFORMATION: n; may be A, C, G, or T
US-09-840-795-16

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%: 495.00 Matches: 96
Sent Similarity: 70.92% Conservative: 4
Best Local Similarity: 68.09% Mismatches: 31
Query Match: 45.00% Indels: 10
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Db 78 ATGGATGGCAAGAAATGAGTACTGGGACCAATGGGAGGAGGAGTGTGTCACCTGGCAACG 137
QY 21 CysGlyProGlyGlnGlnLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyr 40
  |||||
Db 138 TGTGTGTCGGACAGAGCTATCCAGAGATGTGTATGAGAGGAGGAGTGTGTCACCTG 197
QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60
  |||||
Db 198 TGCACAGCTGCTGCTCTCGAGGTATCAAAAGAGCTGGGAGCAGCAGCAAAATGTCAGAG 257
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Db 258 TGCATCACCCTGTGCTGATCAATGCTGTTCAGAGGTCACAGTACCTCTN 317
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Db 318 ATGCTGTGTGGGAGATGTTTGCCCAAGTCTTACCGAAAGACAGCCAGTGGAGAGC 377
QY 96 IeGlyGlyLeuGlnAspGlnGlyCysIleProCysThrLysGlnThrPro-----ThrS 114
  |||||
Db 378 TGGCAGAGA-----CCANGAATGGCCNTCCGCTGGCAGAAAGCCAGACCCCAACNNCT 431
QY 114 ergIuValGlnCysAlaPheGlnLeuSerLeuValGluAlaAspAlaProThrValPro 133
  |||||
Db 432 GNAAGTTCACATGTGGCCCTTCCCATTTGGAAGCTTANTGGAAAGGCAATGACACCA 490

RESULT 4
US-09-780-532-1
; Sequence 1, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1660
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1251)
US-09-780-532-1

Alignment Scores:
Pred. No.: 2.3e-43 Length: 1660
Score: 483.00 Matches: 87
Percent Similarity: 59.18% Conservative: 29
Best Local Similarity: 44.39% Mismatches: 80
Query Match: 43.91% Indels: 0
DB: 10 Gaps: 0
US-09-695-369a-27_COPY_1_197 (1-197) x US-09-780-532-1 (1-1660)

QY 2 AspCysGlnGlnAsnGlnTyrTrpAspGlnTrpGlyArgCysValThnCysGlnArg 21
  |||||
Db 97 GACTGTAGCAGCAAGAAATGAGTACTGGGACCAATGGGAGGAGGAGTGTGTCACCTGG 156
QY 22 GlyProGlyGlnGlnLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyr 41
  |||||
Db 157 GGGCAGGCAAGTGAAGTGTCTTAGGATGTGCTTGGCTATGGGAGAGATGCCACTGT 216
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 61
  |||||
Db 217 GTGAGTGGCGGGGTGAGAGGTGTCAAGAGAGCTGGGCTGTCCAGAAATGCAACCTGT 276
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
  |||||
Db 277 CTGACATGCCAGATGTGTGAACCGCTTTCAGAGCAAAATTTGTCACCAACAGATGCC 336
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLysGlnAsp 101
  |||||
Db 337 ATCTGCGGGAGCTGCTGCGAGATTTATAGAGAAAGCAACTGTGGCTTTCAGAGC 396
QY 102 GlnGlnCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPheGln 121
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Db 397 ATGAGTGTGCTGCTGAGACCCCTCTCTCTTACGACCCGACGTGGCAGCAAG 456  
Qy 122 LeuSerLeuValGluAlaAspAlaProThrValProProGluGluAlaThrLeuValAla 141  
Db 457 GTCAACCTGCTGAAGATCGCGTCCACGCGCTCCAGCCAGGAGACGCGCTGGCTGCC 516  
Qy 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPhePheLeuTyr 161  
Db 517 GTATCTGACGAGCTCTGCGCACGCTGCGCTGCGCTGATCCTCTGCTGATCTAT 576  
Qy 162 CysTyrGlnPhePheAsnArgHisCysGlnArgGlyLeuLeuGlnPheGluAlaAsp 181  
Db 577 TGTATGAGACAGATTATGAGAGAAACCCAGCTGCTCTGCTGCTGCTGACAGATTCAG 636  
Qy 182 LysThrAlaLysGluSerLeuPheProValProProSerLysGlu 197  
Db 637 TACACGCGCTCTGAGCTGCTGCTGCTTTCAGACAGACCTCAGCTCCAGCA 664

RESULT 5  
US-10-174-590-473

; Sequence 473, Application US/10174590  
; Publication No. US2003008352A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE OR INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C42  
; CURRENT APPLICATION NUMBER: US/10/174,590  
; CURRENT FILING DATE: 2002-06-18  
; Prior application removed - See file wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 473  
; LENGTH: 2870  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
; -174-590-473

## Alignment Scores:

Pred. No.: 5.07e-43 Length: 2870  
Score: 483.00 Matches: 87  
Percent Similarity: 59.18% Conservative: 29  
Best Local Similarity: 44.39% Mismatches: 80  
Query Match: 43.91% Indels: 0  
Gaps: 0

US-09-695-369a-27\_COPY\_1\_197 (1-197) x US-10-174-590-473 (1-2870)

Qy 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21  
Db 281 GACTGTAGACACAGAAATTCAGGATCGGTCTGGAACCTGTGTTCCCTCAACCAAGTGT 340  
Qy 22 GlyProGlnGlnLeuSerLysAspCysGlyTyrGlyGlnGlyGlnGlyAlaPalaTyrCys 41  
Db 341 GGCCAGGAGCATGAGTTGCTTAAGGAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGT 400  
Qy 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61  
Db 401 GTGACGTGCGCGCTGACAGGTTCAAGGAGTCTGGGCTTCAGAAATTCAGACCCCTGT 460  
Qy 62 IleThrCysAlaValIleAsnArgValGlnGlyValAlaCysTrpAlaThrSerAla 81  
Db 461 CTGAGCTGCGAGTGTGAACCGCTTTCAGAAAGGCAAAATGTGTCCAGCCACAGTGTATGCC 520

Qy 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgLysGlyLeuGlnAsp 101  
Db 521 ATGTGCGGAGACTGCTTCCAGAGATTTATAGAAAGCAAACTGTGCTGCTTCAAGAC 580  
Qy 102 GlnGluCysIleProCysThrArgGlnThrProHisSerGluValGlnCysAlaPheGln 121  
Db 581 ATGAGATGTGCTCTGTGAGAACCCCTCCCTTCCTTTCAGAACCCGAGCTGCGAGAG 640  
Qy 122 LeuSerLeuValGluAlaAspAlaProThrValProProGluGluAlaThrLeuValAla 141  
Db 641 GTCAACCTGCTGAAGATCGCGTCCACGCGCTCCAGCCAGGAGACGCGCTGGCTGCC 700  
Qy 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPhePheLeuTyr 161  
Db 701 GTATCTGACGAGCTCTGCGCACGCTGCGCTGCGCTGATCCTCTGCTGATCTAT 760  
Qy 162 CysTyrGlnPhePheAsnArgHisCysGlnArgGlyLeuLeuGlnPheGluAlaAsp 181  
Db 761 TGTATGAGACAGATTATGAGAGAAACCCAGCTGCTCTGCTGCTGCTGACAGATTCAG 820  
Qy 182 LysThrAlaLysGluSerLeuPheProValProProSerLysGlu 197  
Db 821 TACACGCGCTCTGAGCTGCTGCTGCTTTCAGACAGACCTCAGCTCCAGCA 868

RESULT 6  
US-10-176-758-473

; Sequence 473, Application US/10176758  
; Publication No. US2003008353A1  
; GENERAL INFORMATION:

; APPLICANT: Baker, Kevin P.  
; APPLICANT: Chen, Jian  
; APPLICANT: Desnoyers, Luc  
; APPLICANT: Goddard, Audrey  
; APPLICANT: Godowski, Paul J.  
; APPLICANT: Gurney, Austin L.  
; APPLICANT: Pan, James  
; APPLICANT: Smith, Victoria  
; APPLICANT: Watanabe, Colin K.  
; APPLICANT: Wood, William I.  
; APPLICANT: Zhang, Zemin  
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
; FILE OR INVENTION: ACIDS ENCODING THE SAME  
; FILE REFERENCE: P3430R1C104  
; CURRENT APPLICATION NUMBER: US/10/176,758  
; CURRENT FILING DATE: 2002-06-21  
; Prior application removed - See file wrapper or Palm  
; NUMBER OF SEQ ID NOS: 612  
; SEQ ID NO 473  
; LENGTH: 2870  
; TYPE: DNA  
; ORGANISM: Homo Sapien  
; US-10-176-758-473

## Alignment Scores:

Pred. No.: 5.07e-43 Length: 2870  
Score: 483.00 Matches: 87  
Percent Similarity: 59.18% Conservative: 29  
Best Local Similarity: 44.39% Mismatches: 80  
Query Match: 43.91% Indels: 0  
Gaps: 0

US-09-695-369a-27\_COPY\_1\_197 (1-197) x US-10-176-758-473 (1-2870)

Qy 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21  
Db 281 GACTGTAGACACAGAAATTCAGGATCGGTCTGGAACCTGTGTTCCCTCAACCAAGTGT 340  
Qy 22 GlyProGlnGlnLeuSerLysAspCysGlyTyrGlyGlnGlyGlnGlyAlaPalaTyrCys 41  
Db 341 GGCCAGGAGCATGAGTTGCTTAAGGAATGTGGCTTCGGCTATGGGAGAGATGCACAGTGT 400  
Qy 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61  
Db 461 CTGAGCTGCGAGTGTGAACCGCTTTCAGAAAGGCAAAATGTGTCCAGCCACAGTGTATGCC 520



1 PRIOR APPLICATION NUMBER: 60/089100  
 2 PRIOR FILING DATE: 1998-06-12  
 3 PRIOR APPLICATION NUMBER: 60/089512  
 4 PRIOR FILING DATE: 1998-06-16  
 5 PRIOR APPLICATION NUMBER: 60/089511  
 6 PRIOR FILING DATE: 1998-06-16  
 7 PRIOR APPLICATION NUMBER: 60/089514  
 8 PRIOR FILING DATE: 1998-06-16  
 9 PRIOR APPLICATION NUMBER: 60/089538  
 10 PRIOR FILING DATE: 1998-06-17  
 11 PRIOR APPLICATION NUMBER: 60/089599  
 12 PRIOR FILING DATE: 1998-06-17  
 13 PRIOR APPLICATION NUMBER: 60/089653  
 14 PRIOR FILING DATE: 1998-06-17  
 15 PRIOR APPLICATION NUMBER: 60/089608

## Pred. No.:

US-09-695-369A-27\_COPY\_1\_197 (1-197) x US-10-052-586-473 (1-2870)

QY	2	ASPCYSGINLWASGLIUTYTPRASPGLINPRGLALRGYSVALTLTHYSGINLALGYS	21
		.....      .....      .....      .....      .....      .....	
Db	281	GACTGTAGACACCAAGATTCCAGGATGCGTCTGGAACTGTGTTCCTCCGACCAAGTGT	34
QY	22	GLYPROGLINGLULEUSERLISYASPCSGLYTYGLYGLINGLYSALPALTGYCS	41
		.....      .....      .....      .....      .....      .....	
Db	341	GGCCAGGAGATGAGATTGTCTAAGGAATGGCGCTTGGCTATGGGGAAGATGCACGTGT	400
QY	42	THALACPSPPROALRGARTYLYRSESRSETTGGLYHSHLISLYSGINSERCYS	61
		.....      .....      .....      .....      .....      .....	
Db	401	GTGACGTGGCGGCTGCACAGATTTCAAGAGAGACTGGGGCTTCCAGAAATGCAAGCCCTGT	460
QY	62	ILETHYSALAVALLIENASRYGLINLYSVALASCYSTHPLATIRSERASALA	81
		.....      .....      .....      .....      .....      .....      .....	
Db	461	CTGACGTGGCAGTGGTGAACCGCTTTAGAGGCAAAATGTGTACGCCACAGTGAATGGC	520
QY	82	VALCYSGLYASPCYLEUPROALRGPHYTYARGLYSTHARGILEGLYGLIENGLINSP	101
		.....      .....      .....      .....      .....      .....      .....	
Db	521	ATGTGGGGGACGTCTTGGCCAGGATTTTATAGGAAGAACAAATCTTGCGGCTTCAAGAC	580
QY	102	GLINGLYCYSLIEPROCYSIHLRYSGLNTHIPROTHSERGLIUALGINCYSAIAPHEGN	121
		.....      .....      .....      .....      .....      .....	
Db	581	AMTAGAGTGTGGCTTGTGGAGACCCCTCCCTCTTCAGAAACCGCACTGTGCACGACAG	640
QY	122	LEUSERLEUALGLUALASPLALPROTHVALPROPROGLINGLUALAHIRLEUALA	141
		.....      .....      .....      .....      .....      .....      .....	
Db	641	GTCAACCTCGTGAAGATTCGCGTCCACGAGCCCTCCAGCCACGGGACACAGGCGCTGGCTCC	700
QY	142	LEUALSERSEURLEUALVALPHEPTHLEUALAPHELEUGLYLEUPHEPHEUTYR	161
		.....      .....      .....      .....      .....      .....      .....	
Db	701	GTATCTGCAACCGCTGTGCACCGCTCCTCTGCGCTGCTCACTCTGTGTCACTAT	760
QY	162	CYSLYSGINPHEPHEASNAIRGHISCYSGIUALRYGLYGLIENLEUGINPHEGUALASP	181
		.....      .....      .....      .....      .....      .....	
Db	761	TGTAGAGACAGATTATGTGAGAGAAACCCAGCTGATGTCTGCGGTCGAGGACAACTTCAG	820
QY	182	IYTHIRALALYSGIULINSEURLEUPHEPROVALPROPROSERLYSGLU	197
		.....      .....      .....      .....      .....      .....	
Db	821	TACAAAGCGCTCTGAGCTGTGGTGTGTTTGACAGACCTCAGCTCCACGAA	868
RESULT 8			
US-09-780-532-3			
Sequence 3, Application US/09780532			
Patent No. US20020068696A1			
GENERAL INFORMATION:			
APPLICANT: WOOD, CLIVE			
APPLICANT: Chaubhary, Divya			
APPLICANT: Long, Andrew			
TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO			

FILE REFERENCE: GNN-012CP  
CURRENT APPLICATION NUMBER: US-09/780,532  
CURRENT FILING DATE: 2001-02-09  
PRIOR APPLICATION NUMBER: 60/181,922  
PRIOR FILING DATE: 2000-02-11  
PRIOR APPLICATION NUMBER: 60/182,148  
PRIOR FILING DATE: 2000-02-14  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 3  
LENGTH: 1325  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(1269)  
US-09-780-532-3

Alignment Scores:  
Pred. No.: 3,53e-43 Length: 1325  
Score: 480.00 Matches: 92  
Percent Similarity: 59.62% Conservative: 32  
Best Local Similarity: 44.23% Mismatches: 68  
Query Match: 43.64% Indels: 17  
Gaps: 3

US-09-695-369a-27\_copy\_1\_197 (1-197) x US-09-780-532-3 (1-1325)

QY 2 AspCysGlnGlnAsnGlnTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21  
DB 97 GACTGTGACACACAGAAATTCAGGAGCGCTGCGAACTGCTCCCTGCAACCACTGT 156  
QY 22 GlyProGlyGlnGlnLeuSerLysAspCysGlyTyrGlyGlnGlyAspAlaTyrCys 41  
DB 157 GGGCCAGCAGTAGAGTGTCTTAAGAGATGGCTTGCGCTAAGGGAGAGTCAACAGTGT 216  
QY 42 ThrAlaCysProProArgTyrLysSerSerTyrGlyHisHisLysCysGlnSerCys 61  
DB 217 GTGACGTGGCGGCTGCACAGGTTCACAGAGAGCTGGCGCTTCACAAATGCAAGCCTGT 276  
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81  
DB 277 CTGACGTGGCGGCTGCACAGGTTCACAGAGAGCTGGCGCTTCACAAATGCAAGCCTGT 336  
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLysGlnAsp 101  
DB 337 ATCTGGGGAGACTGCTTCCAGGATTTTATAGAGACCAACTTGTGGCTTTCAGAC 396  
QY 102 GlnGlnCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPheGln 121  
DB 397 ATGAGATGTGTCTGTGGAGACCTCCCTCCCTTACAGACCACTGTGGCAGAG 456  
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141  
DB 457 GTCAACCTGTCAAGATCGCGTCCAGCGCTCCAGCGGAGACGGCGCTGGCTGCC 516  
QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPheLeuTyr 161  
DB 517 GTTATCTGCAGCGCTGTGGCCACCGCTCTGCTGCTCTGATCTCTGTGTCATCTAT 576  
QY 162 CysLysGlnPhePhe-----AsnArgHisCysGln 171  
DB 577 TGTAAAGACATTATGAGAGAAACCAAGCTGTCTGCGGTCCAGAGCAATTCAG 636  
QY 172 ArgGlyGly-----LeuLeuGlnPheGlnAlaAspLysThrAlaLysGln 186  
DB 637 TACACGGCTCGAGCTGTCTGTCTGA-CAGACCTCAGCTCCACGAAATATGC--CCA 692  
QY 187 GlnSerLeuPheProValProPro 194  
DB 693 CAGAGCTCTGTCCAGTCCGCGCG 716

RESULT 9

US-10-114-893-120  
Sequence 120, Application US/10114893  
Publication No. US20020193567A1  
GENERAL INFORMATION:  
APPLICANT: Jacobs, Kenneth  
APPLICANT: McCoy, John M.  
APPLICANT: LaValle, Edward R.  
APPLICANT: Collins-Racie, Lisa A.  
APPLICANT: Evans, Cheryl  
APPLICANT: Merberg, David  
APPLICANT: Treacy, Maurice  
APPLICANT: Bowman, Michael R.  
APPLICANT: Spaulding, Vikki  
APPLICANT: Carlin-Duckett, McKeough  
APPLICANT: Kelleher, Kerry S.  
APPLICANT: Genetics Institute, Inc.  
TITLE OF INVENTION: SECRETED PROTEINS AND POLYPEPTIDES ENCODING THEM  
FILE REFERENCE: GI 6000-10A  
CURRENT APPLICATION NUMBER: US/10/114,893  
CURRENT FILING DATE: 2002-04-02  
EARLIER APPLICATION NUMBER: 09/413,232  
EARLIER FILING DATE: 1999-10-06  
NUMBER OF SEQ ID NOS: 321  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 120  
LENGTH: 1502  
TYPE: DNA  
ORGANISM: Homo sapiens  
US-10-114-893-120

Alignment Scores:  
Pred. No.: 4.23e-43 Length: 1502  
Score: 480.00 Matches: 92  
Percent Similarity: 59.62% Conservative: 32  
Best Local Similarity: 44.23% Mismatches: 68  
Query Match: 43.64% Indels: 17  
Gaps: 3

US-09-695-369a-27\_copy\_1\_197 (1-197) x US-10-114-893-120 (1-1502)

QY 2 AspCysGlnGlnAsnGlnTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21  
DB 147 GACTGTGACACACAGAAATTCAGGAGCGCTGCGAACTGCTCCCTGCAACCACTGT 206  
QY 22 GlyProGlyGlnGlnLeuSerLysAspCysGlyTyrGlyGlnGlyAspAlaTyrCys 41  
DB 207 GGGCCAGCAGTAGAGTGTCTTAAGAGATGGCTTGCGCTAAGGGAGAGTCAACAGTGT 266  
QY 42 ThrAlaCysProProArgTyrLysSerSerTyrGlyHisHisLysCysGlnSerCys 61  
DB 267 GTGACGTGGCGGCTGCACAGGTTCACAGAGAGCTGGCGCTTCACAAATGCAAGCCTGT 326  
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81  
DB 327 CTGACGTGGCGGCTGCACAGGTTCACAGAGAGCTGGCGCTTCACAAATGCAAGCCTGT 386  
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLysGlnAsp 101  
DB 387 ATCTGGGGAGACTGCTTCCAGGATTTTATAGAGACCAACTTGTGGCTTTCAGAC 446  
QY 102 GlnGlnCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPheGln 121  
DB 447 ATGAGATGTGTCTGTGGAGACCTCCCTCCCTTACAGACCACTGTGGCAGAG 506  
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141  
DB 507 GTCAACCTGTCAAGATCGCGTCCAGCGCTCCAGCGGAGACGGCGCTGGCTGCC 566  
QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPheLeuTyr 161  
DB 567 GTTATCTGCAGCGCTGTGGCCACCGCTCTGCTGCTCTGATCTCTGTGTCATCTAT 626  
QY 162 CysLysGlnPhePhe-----AsnArgHisCysGln 171

Db	457	GNACATGTTGAAAGATCTCTCCACACGGTCTCCAGCCCTCCGGGACACAGGCGCTGGCTCC	167
Qy	142	LeuValIserSerLeuLeuValValPheThrLeuValAlaPheLeuGlyLeuPheLeuTyr	161
Db	517	GCATCTGCACAGTCTCTGGCCACGGTCTGCTGCGCCCTGCATCTCTGTCATCTAC	576
Qy	162	CysLysGlnPheAsn-----	167
Db	577	TGCAGAGGCAATTCTATGAGAAACACCAGCTGCTCTGCGGTACAGGACATCAG	633
Qy	168	-----ArgHisCysGlnArgGly	173
Db	637	TTCATAGGCTCTAGAGTCTGATGCTTTTGACACAGCTCGGCTCCGACATCTGCCATAGA	698
Qy	174	GlyLeuLeuGlnPheGluAlaAsp	181
Db	697	GCATGCTGTCAATACCGGGAC	720
RESULT 11			
	US-09-782-980-25	Sequence 25, Application US/09782980	
	Patent No. US20020072089A1	GENERAL INFORMATION:	
	APPLICANT: Khodadoust, Mehran M.	APPLICANT: Macbeth, Kyle J.	
	APPLICANT: Busfield, Samantha J.	APPLICANT: McCarthy, Sean A.	
	APPLICANT: Holtzman, Douglas A.	APPLICANT: Gu, Wei	
	APPLICANT: White, David	APPLICANT: Pan, Yang	
	TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIPE, TRASH, BDSF, LRSG, AND	TITLE OF INVENTION: STIMUL PROTEIN AND NUCLEIC ACID MOLECULES AND USES	
	TITLE OF INVENTION: THEREFOR	TITLE OF INVENTION: THEREFOR	
	FILE REFERENCE: NMI-121CP	FILE REFERENCE: NMI-121CP	
	CURRENT APPLICATION NUMBER: US/09/782,980	CURRENT APPLICATION NUMBER: US/09/782,980	
	CURRENT FILING DATE: 2001-02-13	CURRENT FILING DATE: 2001-02-13	
	PRIOR APPLICATION NUMBER: PCT/US00/02125	PRIOR APPLICATION NUMBER: PCT/US00/02125	
	PRIOR FILING DATE: 2000-01-27	PRIOR FILING DATE: 2000-01-27	
	PRIOR APPLICATION NUMBER: 09/448,076	PRIOR APPLICATION NUMBER: 09/448,076	
	PRIOR FILING DATE: 1999-11-23	PRIOR FILING DATE: 1999-11-23	
	PRIOR APPLICATION NUMBER: 09/276,400	PRIOR APPLICATION NUMBER: 09/276,400	
	PRIOR FILING DATE: 1999-03-25	PRIOR FILING DATE: 1999-03-25	
	PRIOR APPLICATION NUMBER: 60/117,580	PRIOR APPLICATION NUMBER: 60/117,580	
	PRIOR FILING DATE: 1999-01-27	PRIOR FILING DATE: 1999-01-27	
	PRIOR APPLICATION NUMBER: 09/014,195	PRIOR APPLICATION NUMBER: 09/014,195	
	PRIOR FILING DATE: 1998-01-27	PRIOR FILING DATE: 1998-01-27	
	PRIOR APPLICATION NUMBER: 09/014,348	PRIOR APPLICATION NUMBER: 09/014,348	
	PRIOR FILING DATE: 1998-01-27	PRIOR FILING DATE: 1998-01-27	
	PRIOR APPLICATION NUMBER: 09/086,892	PRIOR APPLICATION NUMBER: 09/086,892	
	PRIOR FILING DATE: 1998-05-29	PRIOR FILING DATE: 1998-05-29	
	PRIOR APPLICATION NUMBER: 09/296,208	PRIOR APPLICATION NUMBER: 09/296,208	
	PRIOR FILING DATE: 1999-04-21	PRIOR FILING DATE: 1999-04-21	
	PRIOR APPLICATION NUMBER: 09/063,950	PRIOR APPLICATION NUMBER: 09/063,950	
	PRIOR FILING DATE: 1998-04-21	PRIOR FILING DATE: 1998-04-21	
	PRIOR APPLICATION NUMBER: 09/561,381	PRIOR APPLICATION NUMBER: 09/561,381	
	PRIOR FILING DATE: 2000-04-28	PRIOR FILING DATE: 2000-04-28	
	PRIOR APPLICATION NUMBER: 09/561,810	PRIOR APPLICATION NUMBER: 09/561,810	
	PRIOR FILING DATE: 2000-04-28	PRIOR FILING DATE: 2000-04-28	
	PRIOR APPLICATION NUMBER: 09/087,121	PRIOR APPLICATION NUMBER: 09/087,121	
	PRIOR FILING DATE: 1998-05-25	PRIOR FILING DATE: 1998-05-25	
	PRIOR APPLICATION NUMBER: 09/672,721	PRIOR APPLICATION NUMBER: 09/672,721	
	PRIOR FILING DATE: 2000-09-28	PRIOR APPLICATION NUMBER: 09/672,721	
	PRIOR FILING DATE: 1998-03-27	PRIOR APPLICATION NUMBER: 09/672,721	
	NUMBER OF SEQ ID NOS: 176	NUMBER OF SEQ ID NOS: 176	
	SOFTWARE: PatentIn Ver. 2.0	SOFTWARE: PatentIn Ver. 2.0	
	SEQ ID NO 25	SEQ ID NO 25	
	LENGTH: 555	LENGTH: 555	
	TYPE: DNA	TYPE: DNA	
	ORGANISM: Mus musculus	ORGANISM: Mus musculus	
	FEATURE:	FEATURE:	





```

US-09-695-369A-27_copy1_1.197 (1-197) x US-09-782-980-22 (1-981)
QY 2 AapcysglndlnuanslnuTyTTPaspGlnTpglAgyCysValnhrCyslnaIrcyCys 21
Db 203 GATTGCGAGCAGCAGAGAAATTCAGAGATCCATCGGAAACTGTGTCTCGCAAAACAGTGC 2632
QY 22 GtVProglgVlnlnuSerLysAspCysGlyTyrglVglnuVglVglAspAlaTyrcys 41
Db 263 GGACCTGGCATGAGTGTGTCAGAGAAATGggCTTGGCTTGGAGAGATCCAAAGTGT 3222
QY 42 ThrAlaCysAlaValIleAsnArVAlGlnLysValAsnCyshraAlaIhrSerAsnAla 81
Db 323 GTGGCCCTGCAGCGCCAGCAGCGGTTCAGAGAAAGAACTGGGTGTTCAGAAAGTAAAGCCATGT 3822
QY 62 lIeThrcysAlaValIleAsnArVAlGlnLysValAsnCyshraAlaIhrSerAsnAla 81
Db 383 GGCGACGTCTGGCTGGTGTAAACCGCTTCAGAGGGCCAACTGCTCAACACACGTATAGTCT 4422
QY 82 ValCysGlnAspCysLeuProArGpHeTyArGlyThrArGlnIleGlyLysLeuGlnAsp 101
Db 442 GTCTGGCGGGAGCTGCTCCGTCAGGATTTTACCGGAAGACCAACTGGTGGTTTAAAC 5022
QY 102 GlnGlnCyslIleProCysThrLysGlnIhrProIhrSerGlnValGlnCysAlaPheGln 121
Db 503 ATGGAGTGTGTGGCTGGGAGAGACCCACCTCCCTCCACGAACACACTGTACAGCAAG 5622
QY 122 LeuSerLeuValGlnAlaAspAlaProIhrValProProGlnGlnAlaIhrLeuValAla 141
Db 563 GTGAACTCTGTGAAGATCTCTCCACCGTCCAGCCTCGGAGACGGCGGTGGCTGTCC 6222
QY 142 LeuValSerSerLeuLeuValAlaPheIhrLeuAlaPheLeuGlnLeuPheLeuTyrr 161
Db 623 GTCATCTGCAGTGTCTGTCCGACGSGTGTGCTGTGGCTGTCTCATCTGTATCTAC 6822
QY 162 CysLysGlnPhe 166
Db 683 TGCAAGAGCGACATTC 697

RESULT 14
US-09-840-795-14
QY Sequence 14, Application US/09840795
Db Patent No. US20020143147A1
GENERAL INFORMATION:
APPLICANT: Murphy, Erin E.
APPLICANT: Mattson, Jeanine D.
APPLICANT: Bates, Elizabeth Esther Mary
APPLICANT: Gorman, Daniel M.
APPLICANT: Lebecque, Serge J.E.
TITLE OF INVENTION: Mammalian Genes; Related Reagents
FILE REFERENCE: SFO818K
CURRENT APPLICATION NUMBER: US/09/840,795
CURRENT FILING DATE: 2001-04-23
PRIOR APPLICATION NUMBER: 09/351,777
PRIOR FILING DATE: 1999-07-12
NUMBER OF SEQ ID NOS: 19
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 14
LENGTH: 474
TYPE: DNA
ORGANISM: primate
FEATURE:
NAME/KEY: CDS
LOCATION: (78)..(473)
NAME/KEY: misc_feature
LOCATION: (308)
OTHER INFORMATION: n; may be A, C, G, or T
NAME/KEY: misc_feature
LOCATION: (315)
OTHER INFORMATION: n; may be A, C, G, or T
NAME/KEY: misc_feature
LOCATION: (333)
OTHER INFORMATION: n; may be A, C G, or T

```

```

; NAME/KEY: misc_feature
; LOCATION: (412)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (431)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (436)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (444)
; OTHER INFORMATION: n; may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (473)
; OTHER INFORMATION: n; may be A, C, G, or T
US-09-840-795-14

Alignment Scores:
Pred. No.: 6,76e-43 Length: 474
Score: 471.50 Matches: 100
Percent Similarity: 80.15% Conservative: 5
Best Local Similarity: 76.34% Mismatches: 19
Query Match: 42.86% Indels: 8
Gaps: 3

US-09-695-369a-27_copy_1_197 (1-197) x US-09-840-795-14 (1-474)
QY 1 Metaspysglnsluansglnurtrrpspqlnrpdlvargcysvalrhcysglnarg 20
DB 78 ATGATTTGCCAAGAAAATAGTACTGGACCAATGGGGACGGTGTCTACCTGCCAACGG 137
QY 21 Cysgilyproslnglnluleuserlyaspcysgilytyrqlvgnllygllyaspalatyr 40
DB 138 TGTGTCTCTGACAGAGAGCTATCCAGAGATTGTGTATAGAGAGGGAGAGAGAGCTTAC 197
QY 41 Cysthrlyacysproprargrargtyrlyrserserttrpqlvhlshllyscysglnser 60
DB 198 TGCACACCCGCCCCCTCTCCGACG-TACAAAAGCAGCTGGGGCCACCAAAATGCAAGT 256
QY 61 CysllhrCysAlaValIleasnaryValGlnlyVal-AsnCysThrAlaThrSerAs 80
DB 257 TGCATCACCCTGCTCTCTCATCATGCTGTTCAGAGGTTCCATGCAACGACGTTGACCTTMA 316
QY 80 nalavalCysgilyaspCys-LeuProargPheTyr--ArglyThrArgIleGly-Gly 98
DB 317 TGTGTCTGTGGGGGAGNGSTTGGCCAGATTCTTAACCGAAGAACGCCAATGGAAGGC 376
QY 99 LeuGlnaspGln-GluCysIleProCysThrlys---GlnThrProThrSerGlu---Va 116
DB 377 TGCAGAGACCAAGATGCGCTCCGTCGACAAAGNACGCCCACTCTGTGANGGTTN 436
QY 116 IglnCysAlaPheGlnLeuSerIeu 124
DB 437 CAAGTGNCTTTCATTTGAGCTT 461

RESULT 15
US-09-877-156-8
; Sequence 8, Application US/09877156
; Patent No. US20020055625A1
; GENERAL INFORMATION:
; APPLICANT: Catherine Tribouley
; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES
; FILE REFERENCE: 1408.003/200130.439C1
; CURRENT APPLICATION NUMBER: US/09/877,156
; PRIOR FILING DATE: 2001-06-08
; PRIOR APPLICATION NUMBER: US 09/286,529
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 893
; TYPE: DNA
; ORGANISM: human

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US-09-877-156-8

Alignment Scores:
Pred. No.: 6.15e-40 Length: 893
Score: 448.00 Matches: 78
Percent Similarity: 65.45% Conservative: 30
Best Local Similarity: 47.27% Mismatches: 57
Query Match: 40.73% Indels: 1
Gaps: 0
DB: 10

US-09-695-369a-27_copy_1_197 (1-197) x US-09-877-156-8 (1-893)
QY 2 AspCysglnsluansglnurtrrpspqlnrpdlvargcysvalrhcysglnargCys 21
DB 151 GATTTCAGAGCAGAGAGATTCAGAGATGATCTGGAACCTGTCTCTCGCAAGAGTC 210
QY 22 GlyproslnglnluleuserlyaspcysgilytyrqlvgnllygllyaspalatyrCys 41
DB 211 GGACCTGGCATGGAGTTGTTCAGAGATGTGCTTCGCTATGGAGAGATGCACAGTGT 270
QY 42 ThrAlaCysProprargrargtyrlyrserserttrpqlvhlshllyscysglnserCys 61
DB 271 GTGCCCTGACAGGCCGACCGCTTCAAGAGACTGGGGTTCCAGAGTGTACAGCATGT 330
QY 62 IlhrCysAlaValIleasnaryValGlnlyValAsnCysThrAlaThrSerAsnAla 81
DB 331 GCGGACGTGTGCGCTGTGAGACCGCTTTCAGAGGGCCAACTGCTCACACACAGTATGCT 390
QY 82 ValCysgilyaspCysLeuProargPheTyrArglyThrArgIleGlyLeuGlnasp 101
DB 391 GTCTCGGGAGACTGCTCTGCCAGAGATTTTACCGAAGACCAACTGGTGTTCAGAGC 450
QY 102 GlnGlnCysIleProCysThrlyrsGlnThrProThrSerGlnValGlnCysAlaPheGln 121
DB 451 ATGAGGTGTGTCCTCGCGGAGACCCACCTCTCTCTACGACCAACACATGTACACGAC 510
QY 122 LeuSerIeuValGlnAlaAspAlaProThrValProGlnGlnAlaThrIeuValAla 141
DB 511 GTGAACCTGTGAAATCTCTCCACCGCTTCCAGCCCTCGGGACACGGCGGTGCTGCC 570
QY 142 LeuValSerSerIeuLeuValAlaPheThrIeuAlaPheLeuGlnIleuPheLeuTyr 161
DB 571 GTCATCTGCAATGCTCTGCGCCACGGGTGCTGCTGCCCTG-CTCATCTGTGTCTCATCTAC 629
QY 162 CyslysglnPhePhe 166
DB 630 TGCAAGAGGCASTTC 644

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Search completed: January 15, 2003, 17:35:27  
Job time : 205.444 secs

GenCore version 5.1.3  
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OM protein - nucleic search, using frame\_plus.p2n model

Run on: January 15, 2003, 01:03:20 ; Search time 273.023 Seconds

(without alignments)  
436.033 Million cell updates/sec

Title: US-09-695-369A-29

Perfect score: 1465

Sequence: 1 MDCGNEYWDGKRCVTCOR.....TWESTGRLELNPFEPSP 267

Scoring table:

BLOSUM62  
Xgapop 10.0, Xgapext 0.5  
Ygapop 10.0, Ygapext 0.5  
Fgapop 6.0, Fgapext 7.0  
Delop 6.0, Delext 7.0

Total number of hits satisfying chosen parameters: 787736

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Command line parameters:  
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-o=/cgn2.1/USPTO.spool/US09695369/runat.13012003.101047.27977/app.query.fasta.1.1955  
-DB=Published.Applications\_NA -QFMT=fastap -SUFFIX=inp -MINMATCH=0.1  
-FOOCL=0 -LOOEXT=0 -UNITS=bits -START=1 -END=1 -MATRIX=blonum62  
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-THR\_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=pct -NORM=ext -HEAPSIZE=500 -MINLEN=0  
-MAXLEN=2000000000 -USER=US09695369 @CGN 1.1.70 @runat.13012003.101047.27977  
-NCPU=6 -ICPU=3 -NO\_XMAP -IARGOUPRY -NG\_SCORES=0 -WALT -LONGLOC  
-DEV\_TIMEOUT=120 -WARN\_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6  
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Published.Applications\_NA:\*  
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3: /cgn2.6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*  
4: /cgn2.6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*  
5: /cgn2.6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*  
6: /cgn2.6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*  
7: /cgn2.6/ptodata/1/pubpna/US08\_NEW\_PUB.seq:\*  
8: /cgn2.6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*  
9: /cgn2.6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*  
10: /cgn2.6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*  
11: /cgn2.6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*  
12: /cgn2.6/ptodata/1/pubpna/US10\_PUBCOMB.seq:\*  
13: /cgn2.6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*  
14: /cgn2.6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	1436	98.0	905	9	US-10-119-466-11
2	951	64.9	932	10	US-09-840-795-18
3	497	33.9	546	10	US-09-840-795-16
4	471.5	32.2	474	10	US-09-840-795-14

5	441	30.1	1325	10	US-09-780-532-3	Sequence 3, Appl
6	441	30.1	1502	9	US-10-114-893-120	Sequence 120, App
7	441	30.1	1660	10	US-09-780-532-1	Sequence 1, Appl
8	441	30.1	2870	9	US-10-114-590-473	Sequence 473, App
9	441	30.1	2870	9	US-10-114-590-473	Sequence 473, App
10	441	30.1	2870	12	US-10-052-586-473	Sequence 473, App
11	431	29.4	555	10	US-09-782-980-25	Sequence 25, Appl
12	431	29.4	642	10	US-09-782-980-24	Sequence 24, Appl
13	431	29.4	981	10	US-09-782-980-22	Sequence 22, Appl
14	431	29.4	1914	10	US-09-780-532-5	Sequence 5, Appl
15	428	29.2	893	10	US-09-877-156-8	Sequence 8, Appl
16	406	27.7	363	10	US-09-782-980-29	Sequence 29, Appl
17	406	27.7	450	10	US-09-782-980-28	Sequence 28, Appl
18	406	27.7	623	10	US-09-877-156-9	Sequence 9, Appl
19	406	27.7	636	10	US-09-840-795-12	Sequence 12, Appl
20	406	27.7	655	10	US-09-782-980-26	Sequence 26, Appl
21	388	26.5	292	9	US-10-119-466-4	Sequence 4, Appl
22	160.5	11.0	4622	10	US-09-924-231-6	Sequence 6, Appl
23	149	10.2	1641	10	US-09-758-124-1	Sequence 1, Appl
24	149	10.2	2224	10	US-09-800-908-1	Sequence 1, Appl
25	149	10.2	2224	10	US-09-800-908-2	Sequence 2, Appl
26	149	10.2	3683	10	US-09-954-456-1187	Sequence 1187, Ap
27	148	10.1	1982	10	US-09-907-372-2	Sequence 2, Appl
28	146.5	10.0	5870	10	US-09-838-718A-8	Sequence 8, Appl
29	145.5	9.9	1334	9	US-09-889-429A-21	Sequence 21, Appl
30	144.5	9.9	1147	10	US-09-756-186-5	Sequence 5, Appl
31	143.5	9.8	1334	9	US-09-898-234-11	Sequence 11, Appl
32	143.5	9.8	1334	9	US-09-792-356-11	Sequence 11, Appl
33	143.5	9.8	1334	9	US-09-899-422-11	Sequence 11, Appl
34	143.5	9.8	1368	9	US-09-898-429A-1	Sequence 1, Appl
35	143.5	9.8	1368	9	US-09-898-429A-1	Sequence 1, Appl
36	143.5	9.8	1368	9	US-09-792-356-1	Sequence 1, Appl
37	143.5	9.8	1368	10	US-09-899-422-1	Sequence 1, Appl
38	143.5	9.8	2111	10	US-09-880-107-2360	Sequence 2360, Ap
39	143.5	9.8	2141	9	US-09-898-234-16	Sequence 16, Appl
40	143.5	9.8	2141	9	US-09-899-422A-26	Sequence 26, Appl
41	143.5	9.8	2141	9	US-09-792-356-16	Sequence 16, Appl
42	143.5	9.8	2141	10	US-09-899-422-16	Sequence 1, Appl
43	143.5	9.8	2175	12	US-10-120-397-1	Sequence 1, Appl
44	140.5	9.6	1290	10	US-09-057-951-3	Sequence 3, Appl
45	140.5	9.6	1290	12	US-10-105-150-3	Sequence 3, Appl

## ALIGNMENTS

RESULT 1  
US-10-119-466-11  
Sequence 11, Application US/10119466  
Patent No. US20020168674A1  
GENERAL INFORMATION:  
APPLICANT: Chul, Clarissa  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Milton, Sean  
APPLICANT: Yan, Minhong  
APPLICANT: Yi, Soely  
TITLE OF INVENTION: CLONING METHOD  
FILE REFERENCE: P1797  
CURRENT APPLICATION NUMBER: US/10/119,466  
CURRENT FILING DATE: 2002-04-09  
PRIOR APPLICATION NUMBER: US/09/480,782  
PRIOR FILING DATE: 2000-01-10  
NUMBER OF SEQ ID NOS: 12  
SEQ ID NO 11  
LENGTH: 905  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: Homo sapiens  
LOCATION: 1-905  
OTHER INFORMATION: Sequence source: ORF position 4 - 903 bp  
US-10-119-466-11

Alignment Scores:

Pred. No.: 3,21e-136 Length: 905  
 Score: 1436.00 Matches: 266  
 Percent Similarity: 89.30% Conservative: 1  
 Best Local Similarity: 88.96% Mismatches: 0  
 Query Match: 98.02% Indels: 32  
 DB: 9 Gaps: 1

US-09-695-369a-29 (1-267) x US-10-119-466-11 (1-905)

QY 1 MetAspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20  
 DB 4 ATGATTCACCAAGAAATGAGTACTGGACCAATGGGAGCGTGTCTACCTGCGCAACGG 63  
 QY 21 CysGlyProGlnGlnLeuSerLysAspCysGlyTyrGlnGlnGlyValAspAlaTyr 40  
 DB 64 TGTGCTCTGGACAGAGCTATCCAAAGATTTGTGTTATGAGAGGCTGGAATGCCCTAC 123  
 QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisLysCysGlnSer 60  
 D 124 TGCACAGCTGCGCTCTCTCGCAGGTACAAAGCAGCTGGGGCCACACAGATGTCAGAT 183  
 QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsn 80  
 DB 184 TGCATCACCTGTGTCTGTATCATGTGTCTCAGAGGTCAACGACACAGCTTAACCTTAAT 243  
 QY 81 AlaValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyValLeuGln 100  
 DB 244 GCTGCTGTGGGAGCGTGTGGCCAGGTTCACCGAAGACACGACATTCGAGGCTGCGAG 303  
 QY 101 AspGlnGluCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPhe 120  
 DB 304 GACCAAGAGTGCATCCCGTCGACAGAGCAGACCCCACTCTGAGGTTCATATGTCCTTC 363  
 QY 121 GlnLeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuVal 140  
 DB 384 CAGTTGAGCTTAAGTGGAGGACAGATCACCCACAGTGGCCCTTCAGAGGCCACACTGTT 423  
 QY 141 AlaLeu----- 142  
 DB 424 GCACCTGGTGGACAGCTGCTAATGCTGTTTACCTGGCCCTTCCTGGGGCTCTTCTTCCTC 483  
 QY 143 -----GlyGlyLeuLeuGlnPhe 148  
 DB 484 TACTGCAGCAGTTCCTTCAACAGACATTCGACGCGTTTACAGAGAGTTCCTGCAATTT 543  
 QY 149 GlnAlaAspLysThrAlaLysGlnLysLeuPheProValProProSerLysGlnThr 168  
 D 544 GAGCTGATTAACACCAAGAGAGAAATCTCTCCCGCTCCACCCAGCAGCAAGAGAGACC 603  
 QY 169 SerAlaGluSerGlnValSerGlnAsnIlePheGlnThrGlnProLeuAsnProIleLeu 188  
 DB 604 AGTCTGAGTCCCAAGTGAAGTGAAGATCTTTCACACCCACCTTAACCTTAATCTTC 663  
 QY 189 GlnAspAspCysSerSerThrSerGlyPheProThrGlnLysPheThrMetAlaSer 208  
 DB 664 GAGACGACACTGCAGCTCAGTGGCTTCCACACAGAGAGTCTTACCATGGCCCTCC 723  
 QY 209 CysThrSerGluSerHisSerHisTrpValHisSerProIleGluCysThrGlnLeuAsp 228  
 DB 724 TGCACCTCAGAGAGCCACTCCACTGGGTCCACAGCCCATGGAATGACAGAGCTGGAG 783  
 QY 229 LeuGlnLysPheSerSerSerAlaSerTyrThrGlyValAlaGluThrLeuGlyLysThr 248  
 DB 784 CTCGAAAGATTTTCCAGCTCTGCTCTCTATACGAGGCTGAGAGACTTGGGGGAAACACA 843  
 QY 249 ValGluSerThrGlyAspArgLeuGlnLeuAsnValProPheGluValProSerPro 267  
 DB 844 GTCGAAAGCACTGGAGACAGGCTGAGCTCAATGTCCCTTGAAGTTCCCAAGCCCT 900

## RESULT 2

US-09-840-795-18  
 ; Sequence 18, Application US/09840795  
 ; Patent No. US20020143147A1

GENERAL INFORMATION:  
 ; APPLICANT: Murphy, Erin E.  
 ; APPLICANT: Mattson, Jeanine D.  
 ; APPLICANT: Bates, Elizabeth Esther Mary  
 ; APPLICANT: Gorman, Daniel M.  
 ; APPLICANT: Lebecque, Serge J.E.  
 ; TITLE OF INVENTION: Mammalian Genes; Related Reagents  
 ; FILE REFERENCE: SF0818X  
 ; CURRENT APPLICATION NUMBER: US/09/840,795  
 ; PRIOR APPLICATION NUMBER: 09/351,777  
 ; PRIOR FILING DATE: 1999-07-12  
 ; NUMBER OF SEQ ID NOS: 19  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 18  
 ; LENGTH: 932  
 ; TYPE: DNA  
 ; ORGANISM: primate  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (78)..(770)  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (782)  
 ; OTHER INFORMATION: n; may be A, C, G, or T

US-09-840-795-18

## Alignment Scores:

Pred. No.: 3,13e-87 Length: 932  
 Score: 951.00 Matches: 187  
 Percent Similarity: 73.41% Conservative: 9  
 Best Local Similarity: 70.04% Mismatches: 34  
 Query Match: 64.91% Indels: 38  
 DB: 10 Gaps: 3

US-09-695-369a-29 (1-267) x US-09-840-795-18 (1-932)

QY 1 MetAspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20  
 DB 78 ATGATTCACCAAGAAATGAGTACTGGACCAATGGGAGCGTGTGTACCTGCGCAACGG 137  
 QY 21 CysGlyProGlnGlnLeuSerLysAspCysGlyTyrGlnGlnGlyValAspAlaTyr 40  
 DB 138 TGTGCTCTGGACAGAGCTATCCAGAGATGTGTATGAGAGGCTGGAATGCCCTAC 197  
 QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisLysCysGlnSer 60  
 DB 198 TGCACAGCTGCGCTCTCTCGCAGGTACAAAGCAGCTGGGGCCACACCAATGTCAGGT 257  
 QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsn 80  
 DB 258 TGCATCACCTGTGTCTGTATCATGTGTTCAGAGGTCAACGACAGCTTAACCTTAAT 317  
 QY 81 AlaValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyValLeuGln 100  
 DB 318 GCTGCTGTGGGAGCTGTGGCCAGGTTCACCGAAGACACGATTTGAGAGCTGCGAG 377  
 QY 101 AspGlnGluCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPhe 120  
 DB 378 GACCAAGAGTGCATCCCGTCGACAGAGACAGACCCCACTCTGAGGTTCATATGTGCTTC 437  
 QY 121 GlnLeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuVal 140  
 DB 438 CAGTTGAGCTTATGAGGAGCAGATGACCCACAGTGCCTTCACGAGAGGCCACACTTGT 497  
 QY 141 AlaLeu----- 142  
 DB 498 GCATGTGTAGCAGAGCGCTGCTAGTGTATTACCTGCGCTTCCTGGGGCTCTTCTTCCTC 557  
 QY 143 -----GlyGlyLeuLeuGlnPheGluAla 150  
 DB 558 TACTGCAAGCAGTTCCTTCACAGACATTCGACAGCTGGAGGTTGTCAGATTTGAGGCT 617  
 QY 151 AspLysThrAlaLysGlnGluSerLeuPheProValProProSerLysGlnThrSerAla 170



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ORGANISM: primate  
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NAME/KEY: CDS  
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NAME/KEY: misc\_feature  
LOCATION: (308)  
OTHER INFORMATION: n; may be A, C, G, or T  
NAME/KEY: misc\_feature  
LOCATION: (315)  
OTHER INFORMATION: n; may be A, C, G, or T  
NAME/KEY: misc\_feature  
LOCATION: (333)  
OTHER INFORMATION: n; may be A, C, G, or T  
NAME/KEY: misc\_feature  
LOCATION: (412)  
OTHER INFORMATION: n; may be A, C, G, or T  
NAME/KEY: misc\_feature  
LOCATION: (431)  
OTHER INFORMATION: n; may be A, C, G, or T  
NAME/KEY: misc\_feature  
LOCATION: (444)  
OTHER INFORMATION: n; may be A, C, G, or T  
NAME/KEY: misc\_feature  
LOCATION: (473)  
OTHER INFORMATION: n; may be A, C, G, or T  
US-09-840-795-14

Alignment Scores:  
Pred. No.: 3, 11e-39  
Score: 471.50  
Percent Similarity: 80.15%  
Best Local Similarity: 76.34%  
Query Match: 32.18%  
DB: 10  
Matches: 474  
Conservative: 100  
Mismatches: 5  
Indels: 19  
Gaps: 8

US-09-695-369a-29 (1-267) x US-09-840-795-14 (1-474)

QY 1 MetAPCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArg 20  
DB 78 ATGATTTGCCAAGAAATGATGATGACCAATGGGAGGAGTGTGACCTGCAACG 137  
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L 138 TGTGTCTCTGGACAGAGGCTATCCAGAGATTGTGTATGAGAGGAGGAGATGCTTAC 197  
QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSer 60  
DB 198 TGCACAGCTGCGCTCTCTGCGAG-TACAAAGACAGCTGGGCGCCACCAATGTCAGACT 256  
QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysVal-AsnCysThrIlePheSer 80  
DB 257 TGCATACCTGTCGTGTCATCAATCGTTCACAAAGCTTCACAGTCAAGTACCTCTTA 316  
QY 80 AlaValCysGlyAspCys-LeuProArgPheTyr-ArgLysThrArgIleGly-Gly 98  
DB 317 TGTCTCTCTGGGAGGAGGCTTGGCCCAAGTTTCAACGAAAGAACAGCCATTTGGAAGC 376  
QY 99 LeuGlnAspGln-GluCysIleProCysThrLys---GlnThrProThrSerGlu---Va 116  
DB 377 TGCACAGACCAAGATGCAATCCGTCGACCAAGAGACCCCAACTTCTGANGTTN 436  
QY 116 GlnCysAlaPheGlnLeuSerLeu 124  
DB 437 CAAAGTGCCTTCCAAATTTGAGGCTT 461  
RESULT 5  
US-09-780-532-3  
Sequence 3, Application US/09780532

Patent No. US20020068696A1  
GENERAL INFORMATION:  
APPLICANT: Wood, Clive  
APPLICANT: Chaudhary, Diya  
APPLICANT: Long, Andrew  
TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO  
FILE REFERENCE: GNN-0120P  
CURRENT APPLICATION NUMBER: US/09/780,532  
PRIORITY FILING DATE: 2001-02-09  
PRIORITY FILING DATE: 2000-02-11  
PRIORITY FILING DATE: 2000-02-11  
PRIORITY FILING DATE: 2000-02-14  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 3  
LENGTH: 1325  
TYPE: DNA  
ORGANISM: Homo sapiens  
NAME/KEY: CDS  
LOCATION: (1)..(1269)  
US-09-780-532-3

Alignment Scores:  
Pred. No.: 1, 61e-35  
Score: 441.00  
Percent Similarity: 55.16%  
Best Local Similarity: 39.91%  
Query Match: 30.10%  
DB: 10  
Matches: 1325  
Conservative: 89  
Mismatches: 34  
Indels: 67  
Gaps: 33

US-09-695-369a-29 (1-267) x US-09-780-532-3 (1-1325)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21  
DB 97 GACGTGAGACAGCAAAATTCAGAGATGCTGAGAACTGTCTTCCGACACAGTGT 156  
QY 22 GlyProGlyGlnGluSerLysAspCysGlyTyrGlyGlyGlyGlyAspAlaTyrCys 41  
DB 157 GGGCAGCAGCATGAGTGTCTGTAAGAAATGTGGCTTGGCTTATGGGAGAGATGCAAGTGT 216  
QY 42 ThrAlaLeuProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61  
DB 217 GTGACGTGCGCGGTGACAGGCTTCAAGAGAGACTGGGCTTCCAAATGCAACCCCTGT 276  
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81  
DB 277 CTGACCTGCGCAGTGTGTACCGCTTTCAGAAAGCAAAATGTTCAAGCCACAGTATGCT 336  
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGlnAsp 101  
DB 337 ATCTGGGGGAGACTGCTGCGAGATTTATAGGAACAACAACCTGTGGGCTTCAAGAC 396  
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121  
DB 397 ATGAGAGTGTGCTGTGTGGAGACCTCTCTTACAGAACCGCACTGTGCGACGAG 456  
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141  
DB 457 GTCACTCTGTAAAGATGCGCTTCACAGCGCTTCAGCGGAGCGGCGCTGGCTGCC 516  
QY 142 -LeuGlyGlyLeuLeuGlnPheGlnAlaAspLysThrAlaLysGlnLeuSerLeuPhe 161  
DB 517 GTTATCTGACAGGCTCTGCTG----- 535  
QY 161 ovalProProSer-----LysGlnThrSerAlaGlnSerGlnValSerLysLys 178  
DB 536 ---CCACGCTCTGCTGCGCTCTCATCCTGTGTCATCTGTATGTAAGACAGTTT 591  
QY 178 e-----PheGlnThrGlnProLeu 185  
DB 592 ATGAGAGAAACCCAGCTGTCTGTGCGGTCAAGGACATTCAATGACAGGCTCTGAG 651

QY 185 nProtleuGluspaSpCySerThrsrlypHeProthrlngInlserPheth 205  
DB 652 CTGTCGTCTTGACAGACCTCAGCTCCAGGAT---ATGCCACAGAGCTCTGCCAG 708  
QY 205 rMeta1a 207  
DB 709 TGCCTGC 715  
RESULT 6  
US-10-114-893-120  
; Sequence 120, Application US/10114893  
; Publication No. US20020193567A1  
; GENERAL INFORMATION:  
; APPLICANT: Jacobs, Kenneth  
; APPLICANT: McCoy, John M.  
; APPLICANT: Lavalie, Edward R.  
; APPLICANT: Collins-Racie, Lisa A.  
; APPLICANT: Evans, Cheryl  
; APPLICANT: Meiberg, David  
; APPLICANT: Treacy, Maurice  
; APPLICANT: Bowman, Michael R.  
; APPLICANT: Spaulding, Vikki  
; APPLICANT: Carlin-Duckett, McKeough  
; APPLICANT: Kelleher, Kerry S.  
; APPLICANT: Genetics Institute, Inc.  
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM  
; FILE REFERENCE: GI 6000-10A  
; CURRENT APPLICATION NUMBER: US/10/114,893  
; EARLIER FILING DATE: 2002-04-02  
; EARLIER APPLICATION NUMBER: 09/413,232  
; NUMBER OF SEQ ID NOS: 321  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 120  
; LENGTH: 1502  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-114-893-120  
Alignment Scores:  
Pred. No.: 1,92e-35 Length: 1502  
Score: 441.00 Matches: 89  
Percent Similarity: 55.16% Conservative: 34  
Best Local Similarity: 39.91% Mismatches: 67  
Query Match: 30.10% Indels: 33  
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DB 147 GACTGTAGACGCAAGAAATTCAGGATCGGTGTGGAACGTGTCTCCCTCCACCAAGTGT 206  
QY 22 glyProglngInlueuSerlyrAspCySgLyTyrglyngInluegllyglAspAlarYrCys 41  
DB 207 GGGCCAGGACATGAGTGTCTAGAGAAATGTGCTCGGCTATGAGGAGGATGCACAGTGT 266  
QY 42 ThralAcysProProArGargTyrlYrlyrSerSerTrpGlyHshlyrSycsGlnSerCys 61  
DB 267 GTGAGTGCCTGCGTGCACAGTTCAGAGGACGTGGGCTTCAGAAATGCAAGCCCTGT 326  
QY 62 lueThrcysAlaVal1leAsnArGyAlGlnlyrSyalnscYsthrAlathrSerAsnAla 81  
DB 327 CTGACCTGCGAGAGTGTGAACCGCTTTTCAGAAAGCAATTTGTTCAAGCCACCACTATGCC 386  
QY 82 ValCysglYaspCySleuProArGpHeTyrlArGlyrThrArGllleGlylueGlnasp 101  
DB 387 ATCTGCGGAGACTCTTGCACGATTTTATAGAAAGCAAACTGTGCGCTTCAAGAC 446  
QY 102 GlnGlyCyslIeProCysThrlYrSglnThrProthrsrGlyValGlnCysAlaPheln 121  
DB 447 ATGAGTGTGTGCTTGTGTGAGACCTCTCTCTTACGACACGACGTGTGCCAGCAAG 506

QY 122 leuSerleuValGlnAlaAspAlaProthrlValProProglngInlAlaThrlleuValAla 141  
DB 507 GTGAACCTGTGTGAAGATGCGCTCCAGGCTTCACCCACGGAGCGGCTGCTGCC 566  
QY 142 -leuGlylueGlnInpHeGlnAlaAspLyThrAlaYsGlnlueGlnserleuPhePr 161  
DB 567 GTTATCTGACGCGCTGTG-----PheGlnThrlnProleuS 185  
QY 161 oValProProSer-----LysGlnThrsrAlaGlnSerGlnValserGlnAla 178  
DB 586 ---CCAGCGTCTGTGCGCCCTGTCATCTCTGTGTCATCTATGTAGAACAGTGT 641  
QY 178 e-----PheGlnThrlnProleuS 185  
DB 642 ATGAGAGAAACCAGCTGTCTCTGCGTGCACAGACATTCAGTCAACAGGCTGTGAG 701  
QY 185 nProtleuGluspaSpCySerThrsrlypHeProthrlngInlserPheth 205  
DB 702 CTGTCGTCTTGACAGACCTCAGCTCCAGGAT---ATGCCACAGAGCTCTGCCAG 758  
QY 205 rMeta1a 207  
DB 759 TGCCTGC 765  
RESULT 7  
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; Sequence 1, Application US/09780532  
; Patent No. US20020068696A1  
; GENERAL INFORMATION:  
; APPLICANT: Wood, Clive  
; APPLICANT: Chaudhary, Divya  
; APPLICANT: Long, Andrew  
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO  
; FILE REFERENCE: GNN-012CP  
; CURRENT APPLICATION NUMBER: US/09/780,532  
; CURRENT FILING DATE: 2001-02-09  
; PRIOR APPLICATION NUMBER: 60/181,922  
; PRIOR FILING DATE: 2000-02-11  
; PRIOR APPLICATION NUMBER: 60/182,148  
; PRIOR FILING DATE: 2000-02-14  
; NUMBER OF SEQ ID NOS: 10  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 1  
; LENGTH: 1660  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)..(1251)  
US-09-780-532-1  
Alignment Scores:  
Pred. No.: 2,22e-35 Length: 1660  
Score: 441.00 Matches: 89  
Percent Similarity: 55.16% Conservative: 34  
Best Local Similarity: 39.91% Mismatches: 67  
Query Match: 30.10% Indels: 33  
DB: 10 Gaps: 4  
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DB 97 GACTGTAGACGCAAGAAATTCAGGATCGGTGTGGAACGTGTCTCCCTCCACCAAGTGT 156  
QY 22 glyProglngInlueuSerlyrAspCySgLyTyrglyngInluegllyglAspAlarYrCys 41  
DB 157 GGGCCAGGACATGAGTGTCTAGAGAAATGTGCTCGGCTATGAGGAGGATGCACAGTGT 216  
QY 42 ThralAcysProProArGargTyrlYrlyrSerSerTrpGlyHshlyrSycsGlnSerCys 61  
DB 217 GTGAGTGCCTGCGTGCACAGTTCAGAGGACGTGGGCTTCAGAAATGCAAGCCCTGT 276





; NUMBER OF SEQ ID NOS: 612  
 ; SEQ ID NO 473  
 ; LENGTH: 2870  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapien  
 US-10-176-758-473

Alignment Scores:  
 Pred. No.: 4.82e-35 Length: 2870  
 Score: 441.00 Matches: 89  
 Percent Similarity: 55.16% Conservative: 34  
 Best Local Similarity: 39.91% Mismatches: 67  
 Query Match: 30.10% Indels: 33  
 Gaps: 4

US-09-695-369a-29 (1-267) x US-10-176-758-473 (1-2870)

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DB 281 GACTGTAGACAGCAGGAATTCAGGATCGCTCGAAGACTGTCTCCCTCCCAACAGTGT 340

    22 GYPRGSLYGLNGLUASERLYSASPYSGLYTYRGLYGLNGLUASPALATYRYS 41
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 341 GGGCCAGCATGAGATTGTCTAAGATGTGCTTGCGCTTGGGAGATGCACAGTGT 400

    42 THALACYSPPROFARGATYTYLRSERSETTPGLYHSHLSYSGLSINSERCYS 61
    |||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 401 GTGACGTGCGCGCTGCACAGATTCAGAGAGACGTGGGCTTCGCAAAATCGACGCTGT 460

    62 ILETHRCYSALAVALILEASNARGVALGLNLYSVALASNCYSTRHALATHTSERASALA 81
    ::|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||
DB 461 CTGGACTGCGCAGTGCGTAACCGCTTCAGAAAGCAATTTGTCAGCCACCATGATGCC 520

    82 VALCYSGLYASPCYSLEUPROARGPHETRYRATGYSSTRARGILEGLYGLNGLUASNP 101
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DB 521 ACTGTGGGGAGACTGCTGTCGAGATTTTATAGAAAGACGAACCTGTGCGCTTCAGAGC 580

    102 GINGLUCSILIEPROCYSTRHLYSGINTHTRPOTHTSERGLINUALGINCYSLAPHEGIN 121
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DB 581 ANGGAGTGTGTGCTGTGGAGACCGCTCCTCTTACGAACCGCAGCTGCGCAGCAG 640

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DB 641 GTCAACCTGCTGGAAGATCGCTCCAGCGCTCCAGCGCAGCAGCGCGCTGCTGCC 700

    142 -LEUGLYGLLEUENGINPHEGLUALASPLYSHTHALYSLINLUSEURLEUPHEPR 161
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DB 893 TGCGGCC 899
  
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# RESULT 10

; US-10-052-586-473  
 ; Sequence 473, Application US/10052586  
 ; Patent No. US2002127584A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Baker, Kevin P.  
 ; APPLICANT: Chen, Jian  
 ; APPLICANT: Desnoyers, Luc

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; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zhen
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE OF INVENTION: ACIDS ENCODING THE SAME
; FILE REFERENCE: P3430R1C1
; CURRENT APPLICATION NUMBER: US/10/052,586
; CURRENT FILING DATE: 2002-01-15
; PRIOR APPLICATION NUMBER: 60/059263
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/059266
; PRIOR FILING DATE: 1997-09-18
; PRIOR APPLICATION NUMBER: 60/062250
; PRIOR FILING DATE: 1997-10-17
; PRIOR APPLICATION NUMBER: 60/063120
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063121
; PRIOR FILING DATE: 1997-10-24
; PRIOR APPLICATION NUMBER: 60/063486
; PRIOR FILING DATE: 1997-10-21
; PRIOR APPLICATION NUMBER: 60/063540
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; PRIOR FILING DATE: 1997-10-31
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; PRIOR FILING DATE: 1997-10-31
; PRIOR APPLICATION NUMBER: 60/065311
; PRIOR FILING DATE: 1997-11-13
; PRIOR APPLICATION NUMBER: 60/066120
; PRIOR FILING DATE: 1997-11-21
; PRIOR APPLICATION NUMBER: 60/066466
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; PRIOR APPLICATION NUMBER: 60/066772
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; PRIOR FILING DATE: 1997-12-18
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; PRIOR FILING DATE: 1998-03-10
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; PRIOR FILING DATE: 1998-03-27
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; PRIOR FILING DATE: 1998-03-27
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12 PRIOR APPLICATION NUMBER: 60/088655
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14 PRIOR APPLICATION NUMBER: 60/088722
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41 PRIOR FILING DATE: 1998-06-16
42 PRIOR APPLICATION NUMBER: 60/089538
43 PRIOR FILING DATE: 1998-06-17
44 PRIOR APPLICATION NUMBER: 60/089598
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46 PRIOR APPLICATION NUMBER: 60/089653
47 PRIOR FILING DATE: 1998-06-17
48 PRIOR APPLICATION NUMBER: 60/089908

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Alignment Scores:			
Pred. NO.:	4,82e-35	Length:	2870
Score:	441.00	Matches:	89
Percent Similarity:	55.16%	Conservative:	34
Best Local Similarity:	39.91%	Mismatches:	67
Query Match:	30.10%	Indels:	33
DB:	12	Gaps:	4
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DB	281 GACTGTAGACAGCAGAGATTTCAGGGATGGGTCTGGAGAACTGTCTCCCTGCAACAGTGT 34		
QY	22 GlyProGlyGlnGluIleuSerLysAspCysGlyTyrrGlyGlnGlyAlaAspAlaTrpCys 41		
DB	341 GGCGCAGGAGCATGAGAGTTGTCATAGGAAGATGGCTTCGGCTATGGGGAGATGCACAGTGT 400		
QY	42 ThrAlaCysProProArgTrpArgTrpLysSerSerTrpGlyHisHisLysCysGlnSerCys 61		
DB	401 GNGAGTCCCGCGCTGCACAGGTCTCAAGAGAGCACTGGGGGCTTCCAGAAATCAAGCCCTGT 460		
QY	62 IleThrCysAlaValIleAsnArgValGlnIleLysValAsnCysThrAlaThrSerAsnAla 81		

Db 461 CTGGAGTGGGCAAGTGTGAACCGCTTTCAGAAAGCAATTTGTCAGCCACCAATGATGCC 520  
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Db 521 ATCTGGGGGAGACTGCTTCCAGAGATTTTATAGGAAGACGAACCTGTGGCTTTCAAGAC 580  
Qy 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121  
Db 581 ATGGAGTGTGTGCTTGTGAGAACCTCTCTCTTACGAAACGACAGCTGTGCACGAAG 640  
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Db 641 GTCAACCTCGTGAAGATCGGCTCCAGGCTCCACGCCAGGGAGAGGGCTGTGGCTGCC 700  
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Qy 205 rMetAla 207  
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RESULT 11  
US-09-782-980-25  
Sequence 23, Application US/09782980  
Patent No. US20020072089A1  
GENERAL INFORMATION:  
APPLICANT: Khodadoust, Mehran M.  
APPLICANT: Macbeth, Kyle J.  
APPLICANT: Busfield, Samantha J.  
APPLICANT: McCarthy, Sean A.  
APPLICANT: Holtzman, Douglas A.  
APPLICANT: Gu, Wei  
APPLICANT: White, David  
TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIPE, TRASH, BDSF, LRSG, AND  
TITLE OF INVENTION: STMPST PROTEIN AND NUCLEIC ACID MOLECULES AND USES  
TITLE OF INVENTION: THEREFOR  
FILE REFERENCE: MNT-121CP  
CURRENT APPLICATION NUMBER: US/09/782,980  
CURRENT FILING DATE: 2001-02-13  
PRIOR APPLICATION NUMBER: PCT/US00/02125  
PRIOR FILING DATE: 2000-01-27  
PRIOR APPLICATION NUMBER: 09/448,076  
PRIOR FILING DATE: 1999-11-23  
PRIOR APPLICATION NUMBER: 09/276,400  
PRIOR FILING DATE: 1999-03-25  
PRIOR APPLICATION NUMBER: 60/117,580  
PRIOR FILING DATE: 1999-01-27  
PRIOR APPLICATION NUMBER: 09/014,195  
PRIOR FILING DATE: 1998-10-1-27  
PRIOR APPLICATION NUMBER: 09/014,348  
PRIOR FILING DATE: 1998-01-27  
PRIOR APPLICATION NUMBER: 09/086,892  
PRIOR FILING DATE: 1998-05-29  
PRIOR APPLICATION NUMBER: 09/296,208  
PRIOR FILING DATE: 1999-04-21  
PRIOR APPLICATION NUMBER: 09/063,950  
PRIOR FILING DATE: 1998-04-21  
PRIOR APPLICATION NUMBER: 09/561,381  
PRIOR FILING DATE: 2000-04-28

PRIOR APPLICATION NUMBER: 09/561,810  
PRIOR FILING DATE: 2000-04-28  
PRIOR APPLICATION NUMBER: 09/087,121  
PRIOR FILING DATE: 1998-05-29  
PRIOR APPLICATION NUMBER: 09/672,721  
PRIOR FILING DATE: 2000-09-28  
PRIOR APPLICATION NUMBER: 09/049,799  
PRIOR FILING DATE: 1998-03-27  
NUMBER OF SEQ ID NOS: 176  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 25  
LENGTH: 555  
TYPE: DNA  
ORGANISM: Mus musculus  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(555)  
US-09-782-980-25  
Alignment Scores:  
Pred. No.: 4,78e-35 Length: 555  
Score: 431.00 Matches: 69  
Percent Similarity: 67.38% Conservative: 26  
Best Local Similarity: 48.94% Mismatches: 46  
Query Match: 29.42% Indels: 0  
Gaps: 0  
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Qy 22 GlyProGlnGlnLeuSerLysAspCysGlyTyrGlyGlnGlyGlnAspAlaTyrCys 41  
Db 70 GGAACCTGGATGAGATTCAGAGATTCAGAGATTCAGAGATTCAGAGATTCAGAGATTC 129  
Qy 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61  
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Qy 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81  
Db 190 GCGGACTGTGCGCTGTGTAACCGCTTTCAGAGGCGCACTGTCTACACACCAAGTATGCT 249  
Qy 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgLysIleGlyLeuGlnAsp 101  
Db 250 GTCTGGGGGAGACTGCTTCCAGAGATTTTACCGGAAGACCAACGTGTGTTTCAAGAC 309  
Qy 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121  
Db 310 ATGGAGTGTGTGCTTGTGAGAACCTCTCTCTTACGAAACGACAGCTGTACACGAAG 369  
Qy 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141  
Db 370 GTTACTGTGAGGCTCTGG----- 429  
Qy 142 Leu 142  
Db 430 GTC 432  
RESULT 12  
US-09-782-980-24  
Sequence 24, Application US/09782980  
Patent No. US20020072089A1  
GENERAL INFORMATION:  
APPLICANT: Khodadoust, Mehran M.  
APPLICANT: Macbeth, Kyle J.  
APPLICANT: Busfield, Samantha J.  
APPLICANT: McCarthy, Sean A.  
APPLICANT: Holtzman, Douglas A.  
APPLICANT: Gu, Wei  
APPLICANT: White, David



[illegible]

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Db      211  GAGCCGGATGAGATGTCACAGAAATGCTGCTATGGGAGGATGCACATGT 270
QY      42   ThrAlaCysProPheArgTyrLysSerSerIrpGlyHisHisLysCysGlnSerCys 61
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QY      62   IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db      331  GCGGACTGTGCGGTGGTGAACCGCTTTCAGAGGGCCAACTGCTCACACACAGTGAATGCT 390
QY      82   ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGlnAsp 101
Db      391  GTCCTGGGGGACCTGCTGCTGCGAAGATTTCACGAGAACCAACTGGTGTGTTTCAAGAC 450
QY      102  GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db      451  ATGGAGTGTGTGGCTGCGGAGAGCCACTCTCTCCCTACGAGACCACTGTACCAAGCAAG 510
QY      122  LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
Db      511  GTGAACCTTGTGAAGATCTCTCCACCGCTCTCCAGCCCTCGGAGACAGGGGGTGGCTGCC 570
QY      142  Leu 142
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GenCore version 5.1.3  
Copyright (c) 1993 - 2003 Compugen Ltd.

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-TRANS=human40.cdi -LIST=45 -DOCALLIGN=200 -THR SCORE=pct -THR MAX=100  
-THR MIN=0 -ALIGN=15 -MODE=LOCAL -OUTPMT=pct -NORM=ext -HSPALIZE=500 -MINLEN=0  
-MAXLEN=2000000000 -USER=USO9695369 -ACGN\_1.1.70 -crunat\_13012003\_101047\_27977  
-NCP=6 -ICP=3 -NO\_XLPRY -NO\_XMAP -LARGEOUTERY -NEG\_SCORES=0 -WAIT -LONGILOG  
-DEV.TIMEOUT=120 -WARN.TIMEOUT=30 -THREADS=1 -XGAP=10 -XGAPEXT=0.5 -FGAP=6  
-FGAPEXT=7 -YGAP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

Published Applications NA:\*

- 1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*
- 2: /cgn2\_6/ptodata/1/pubpna/PCT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/1/pubpna/PCTUS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*
- 10: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*
- 11: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*
- 12: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq:\*
- 13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*
- 14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description
1	1625	99.6	905	9	US-10-119-466-11	Sequence 11, Appl
2	1124	68.9	932	10	US-09-840-795-18	Sequence 18, Appl
3	495	30.3	546	10	US-09-840-795-16	Sequence 16, Appl
4	487	29.8	1660	10	US-09-780-532-1	Sequence 1, Appl

5	487	29.8	2870	9	US-10-174-590-473	Sequence 473, App
6	487	29.8	2870	12	US-10-176-758-473	Sequence 473, App
7	487	29.8	2870	10	US-10-052-586-473	Sequence 3, Appl
8	480	29.4	1325	10	US-09-780-532-3	Sequence 120, App
9	480	29.4	1502	10	US-10-114-893-120	Sequence 5, Appl
10	476	29.2	1914	10	US-09-780-532-5	Sequence 25, Appl
11	474	29.0	555	10	US-09-782-980-25	Sequence 24, Appl
12	474	29.0	642	10	US-09-782-980-24	Sequence 22, Appl
13	474	29.0	981	10	US-09-782-980-22	Sequence 14, Appl
14	471.5	28.9	474	10	US-09-840-795-14	Sequence 8, Appl
15	448	27.5	893	10	US-09-877-156-8	Sequence 29, Appl
16	406	24.9	363	10	US-09-782-980-29	Sequence 28, Appl
17	406	24.9	450	10	US-09-782-980-28	Sequence 9, Appl
18	406	24.9	623	10	US-09-877-156-9	Sequence 12, Appl
19	406	24.9	636	10	US-09-840-795-12	Sequence 26, Appl
20	406	24.9	692	10	US-09-782-980-26	Sequence 4, Appl
21	388	23.8	292	9	US-10-119-466-4	Sequence 21, Appl
22	168.5	10.3	1334	9	US-09-899-429X-21	Sequence 14, Appl
23	168	10.3	1878	9	US-09-877-650-14	Sequence 11, Appl
24	168	10.3	1878	10	US-09-871-856-14	Sequence 11, Appl
25	164.5	10.1	1334	9	US-09-898-234-11	Sequence 11, Appl
26	164.5	10.1	1334	9	US-09-792-356-11	Sequence 11, Appl
27	164.5	10.1	1334	10	US-09-899-422-11	Sequence 1, Appl
28	164.5	10.1	1368	9	US-09-898-234-1	Sequence 1, Appl
29	164.5	10.1	1368	9	US-09-899-422-1	Sequence 1, Appl
30	164.5	10.1	1368	9	US-09-792-356-1	Sequence 1, Appl
31	164.5	10.1	1368	10	US-09-899-422-1	Sequence 1, Appl
32	164.5	10.1	2111	10	US-09-880-107-2360	Sequence 2360, Ap
33	164.5	10.1	2141	9	US-09-898-234-16	Sequence 16, Appl
34	164.5	10.1	2141	9	US-09-899-429X-26	Sequence 26, Appl
35	164.5	10.1	2141	9	US-09-792-356-16	Sequence 16, Appl
36	164.5	10.1	2141	10	US-09-899-422-16	Sequence 16, Appl
37	164.5	10.1	2135	12	US-10-120-397-1	Sequence 1348, Ap
38	157	9.6	2136	10	US-09-954-531-1348	Sequence 262, App
39	157	9.6	2136	10	US-09-962-436-262	Sequence 2135, App
40	157	9.6	2130	10	US-09-917-800A-1601	Sequence 1601, Ap
41	150.5	9.2	2130	10	US-09-917-800A-1601	Sequence 1, Appl
42	150	9.2	2224	10	US-09-758-124-1	Sequence 1, Appl
43	150	9.2	2224	10	US-09-800-908-1	Sequence 2, Appl
44	150	9.2	2224	10	US-09-800-908-2	Sequence 1187, Ap
45	150	9.2	3683	10	US-09-954-456-1187	

## ALIGNMENTS

RESULT 1  
US-10-119-466-11  
Sequence 11, Application US/10119466  
Patent No. US20020168674A1  
GENERAL INFORMATION:  
APPLICANT: Chul, Clarissa  
APPLICANT: Grimaldi, J. Christopher  
APPLICANT: Milton, Sean  
APPLICANT: Yan, Minhong  
APPLICANT: Yi, Sohy  
TITLE OF INVENTION: CLONING METHOD  
FILE REFERENCE: P1797  
CURRENT APPLICATION NUMBER: US/10/119,466  
CURRENT FILING DATE: 2002-04-09  
PRIOR APPLICATION NUMBER: US/09/480,782  
PRIOR FILING DATE: 2000-01-10  
NUMBER OF SEQ ID NOS: 12  
SEQ ID NO 11  
LENGTH: 905  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: Homo sapiens  
LOCATION: 1-905  
OTHER INFORMATION: Sequence source: ORF position 4 - 903 bp  
US-10-119-466-11  
Alignment Scores:



Pred. No.: 5,02e-161  
 Score: 1625.00  
 Percent Similarity: 99.67%  
 Best Local Similarity: 99.33%  
 Query Match: 99.33%  
 DB: 9  
 Gaps: 0

US-09-695-369a-35 (1-299) x US-10-119-466-11 (1-905)

QY 1 MetaspCysGlnGluAsnGlnuYrTrrpaspGlnTrpGlyArgCysValThrCysGlnArg 20  
 Db 4 ATGATTCGCCAAGAAATAGTACTGGGACCAATGGGAGGAGGTGTCTACCTGCCAAGG 63  
 QY 21 CysGlyProGlyGlnGluLeuSerIysAspCysGlyTyrGlyGlnGlyValAspAlaTyr 40  
 Db 64 TGTGCTCTGGACAGAGCATCCCAAGGATGTGGTTATGAGAGGGTGCATATCCCTAC 123  
 QY 41 CysThrIlaCysProProArGArGlyrIysSerSerTrpGlyHisIleIysCysGlnSer 60  
 Db 124 TGCACAGCTGCTCCCTCCGACGATCAAAAGACAGTGGGGCCCAAGAGATGTGAGGT 183  
 QY 61 CysIleThrCysAlaValIleAsnArgValGlnIysValAsnCysIleAlaThrSerAsn 80  
 Db 184 TGCATCACTGTGCTGTCAATGCTTTCAGAGGTCACTGCACAGCTTCTTAAAT 243  
 QY 81 AlaValCysGlyAspCysLeuProArGArGlyrIysThrArgIleGlyIleuGln 100  
 Db 244 GCTGTCTGGGAGCTGTGGCCAGGTTCACGAAAGACAGCATGGAGGCTGCAG 303  
 QY 101 AspGlnGlyCysIleProCysThrIysGlnThrProThrSerGlyValGlnCysAlaPhe 120  
 Db 304 GACCAAGATGATCCCGTGCACGAGACGACCCCACTGTGAGTTCATGTGCTTC 363  
 QY 121 GlnLeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuVal 140  
 Db 364 CAGTTGAGCTTACTGGAGGCAATGCCACCACTGCTCCCTGAGGAGGCCACCTGTT 423  
 QY 141 AlaLeuValSerSerLeuLeuValAlaPheThrLeuAlaPheGlyIleuPheLeu 160  
 Db 424 GCATGTGTGAGCAGCTGCTGATGTGTTTACCCTGGCTTCCTGGGCTCTTCTTC 483  
 QY 161 TyrCysIysGlnPhePheAsnArgHisCysGlnArgValAlaGlyIleuLeuGlnPhe 180  
 Db 484 TACTGCACAGCTTCTTCAACAGCATGTGCACGCTGTTCACAGGTTTCTGCTCACTTT 543  
 QY 181 GlnAlaAspIysThrAlaIysGlnGluSerLeuPheProValProProSerIysGlnThr 200  
 Db 544 GAGGCTGATTAACCAAGCAAGAGAGATCTCTTCCCGTCCACCCAGAGAGAGACC 603  
 QY 201 SerIlaGluSerGlnValSerGlnAsnIlePheGlnThrGlnProLeuAsnProIleu 220  
 Db 604 AGTGTGATGCCCAAGTGAAGAGACATCTTCAACACCAAGCCACTTAACCTTATCC 663  
 QY 221 GlnAspAspCysSerSerThrSerGlyPheProThrGlnGlnSerPheThrMetAlaSer 240  
 Db 664 GAGGAGACTGACGCTCAGTACAGTGTCTTCCCAACAGAGAGTCTCTTACCATGGCTCC 723  
 QY 241 CysThrSerGluSerHisSerHisTrpValHisSerProIleGluCysThrGlnLeuAsp 260  
 Db 724 TGCACCTCAGAGAGCACTCCACTGGGTCCACAGCCCAATGCAATGCAAGAGCTGGAC 783  
 QY 261 LeuGlnIysPheSerSerSerAlaSerTyrThrGlyAlaGlnThrLeuGlyIysAsnThr 280  
 Db 784 CTGCATAAGTTTCCAGCTGCTGCTCTTACTGTGAGCTGAGACCTTGGGGGAGAAACACA 843  
 QY 281 ValGluSerThrGlyAspArgLeuGlnLeuAsnValProPheGlnValProSerPro 299  
 Db 844 GCGCAAGCACTGAGAGACAGCTGAGCTCAATGTGCTTGAAGTTCCACACCTC 900

RESULT 2  
 US-09-840-795-18  
 ; Sequence 18, Application US/09840795  
 ; Patent No. US20020143147A1

GENERAL INFORMATION:  
 ; APPLICANT: Murphy, Erin E.  
 ; APPLICANT: Mattson, Jeanine D.  
 ; APPLICANT: Bates, Elizabeth Esther Mary  
 ; APPLICANT: Gorman, Daniel M.  
 ; APPLICANT: Lebecque, Serge J.E.  
 ; TITLE OF INVENTION: Mammalian Genes; Related Reagents  
 ; FILE REFERENCE: SF0818K  
 ; CURRENT APPLICATION NUMBER: US/09/840,795  
 ; PRIORITY FILING DATE: 2001-04-23  
 ; PRIOR FILING DATE: 1999-07-12  
 ; NUMBER OF SEQ ID NOS: 19  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 18  
 ; LENGTH: 932  
 ; TYPE: DNA  
 ; ORGANISM: primate  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (78)..(770)  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (782)  
 ; OTHER INFORMATION: n; may be A, C, G, or T  
 US-09-840-795-18

## Alignment Scores:

Pred. No.: 1.37e-108  
 Score: 1124.00  
 Percent Similarity: 84.01%  
 Best Local Similarity: 80.67%  
 Query Match: 68.87%  
 DB: 10  
 Gaps: 3

US-09-695-369a-35 (1-299) x US-09-840-795-18 (1-932)

QY 1 MetaspCysGlnGluAsnGlnuYrTrrpaspGlnTrpGlyArgCysValThrCysGlnArg 20  
 Db 78 ATGATTCGCCAAGAAATAGTACTGGGACCAATGGGAGGAGGTGTCTACCTGCCAAGG 137  
 QY 21 CysGlyProGlyGlnGluLeuSerIysAspCysGlyTyrGlyGlnGlyValAspAlaTyr 40  
 Db 138 TGTGCTCTGGACAGAGCATCCCAAGGATGTGGTTATGAGAGGGTGCATATCCCTAC 197  
 QY 41 CysThrIlaCysProProArGArGlyrIysSerSerTrpGlyHisIleIysCysGlnSer 60  
 Db 198 TGCACAGCTGCTCCCTCCGACGATCAAAAGACAGTGGGGCCCAAGATGTGACAGT 257  
 QY 61 CysIleThrCysAlaValIleAsnArgValGlnIysValAsnCysThrAlaThrSerAsn 80  
 Db 258 TGCATCACTGTGCTGTCAATGCTTTCAGAGGTCACTGCACAGCTTCTTAAAT 317  
 QY 81 AlaValCysGlyAspCysLeuProArGArGlyrIysThrArgIleGlyIleuGln 100  
 Db 318 GCTGTCTGGGAGCTGTGGCCAGGTTCACGAAAGACAGCATGGAGGCTGCAG 377  
 QY 101 AspGlnGlyCysIleProCysThrIysGlnThrProThrSerGlyValGlnCysAlaPhe 120  
 Db 378 GACCAAGATGATCCCGTGCACGAGACAGCCCACTGTGAGGTTCATATGCTTTC 437  
 QY 121 GlnLeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuVal 140  
 Db 438 CAGTTGAGCTTACTGGAGGCAATGCCACCACTGCTCCCTGAGGAGGCCACACTTGT 497  
 QY 141 AlaLeuValSerSerLeuLeuValAlaPheThrLeuAlaPheGlyIleuPheLeu 160  
 Db 498 GCATGTGTGAGCAGCTGCTGATGTGTTTACCTGCTGCTTCGAGGCTCTTCTCTC 557  
 QY 161 TyrCysIysGlnPhePheAsnArgHisCysGlnArgValAlaGlyIleuLeuGlnPhe 180  
 Db 558 TACTGCACAGCTTCTTCAACAGCATGTGCACAGCT-----GAGGTTTGTGTCAGTTT 611  
 QY 181 GlnAlaAspIysThrAlaIysGlnGluSerLeuPheProValProProSerIysGlnThr 200



NAME/KEY: CDS  
LOCATION: (1)..(1251)  
US-09-780-532-1

## Alignment Scores:

Pred. No.: 1,44e-41 Length: 1660  
Score: 487.00 Matches: 104  
Percent Similarity: 47.688 Conservative: 40  
Best Local Similarity: 34.448 Mismatches: 102  
Query Match: 29.848 Indels: 56  
DB: 10 Gaps: 4

US-09-695-369a-35 (1-299) x US-09-780-532-1 (1-1660)

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QY 2 ASPCYSGINGUASNGIUTYRTPASPGLNTRPGLYARGYSVALNHCYSGINARGYS 21
DB 97 GACTGTAGACAGCAAGATTCAAGATCGCTGGAAACCTGTGTCCTCCACCAACAGGT 156

QY 22 GLYPGGLYGLNGIULEUSERLYSAPCYSGLYTYRGLYGLNGIULYSPALATYRCYS 41
DL 157 GGGCCAGCATGAGTGTCTAGAGATGTGCTTCGGCTATGGGAGATGACAGTGT 216
QY 42 THRACYSPPROBARGARGTYRYSERSERTIRPOLYHISHISYSCYSLNSERCYS 61
DB 217 GTGAGCTCCGGCTGACAGGTTCAGAGGAGGAGCTGGGCTTCAGAAATGCAAGCCCTGT 276
QY 62 ILETHYCSALAVALLIENASARGVALGINYSVALNSCYSTRHRLAHSERASALA 81
DB 277 CTGAGCTCCGACAGTGGTGAACCGCTTTCAGAAAGCAATTGTTCCACCAACGATATCC 336
QY 82 VALCYSGLYSPCYSLNUPROARGPHEIYRARGLYSTRHARGILEGLYGLYLEUNGILN 101
DB 337 ATCTCGGGGAGCTGCTTCGCAAGATTTATAGGAAGCAAACTTTCGCGCTTTCAGAC 396
QY 102 GINGUCYSILIEPCYSTRHRYSLNTHRPROTHRSERGLVALINCYSALAPHEGLN 121
DB 397 ATGGAGTGTGCTGTGGAGACCCCTCTCTCTCTACGACGACGTGTCAGCAG 456
QY 122 LEUSERLEUVALGILUALASPALAPROTHRYALPROPROGLINDUALATHRIEUALA 141
DB 457 GTCAACCTCGTGAAGATCCGCTCCACGCTCCACGCGGACGCGGCTGGCTGCC 516
QY 142 LEUVALSERLEUVALVALPHEHRIEUALAPHEUVALYUENPHEHLEUVALYR 161
DB 517 GTTATCGACAGCGCTCGGCAACGCTCGTGGCCCTGCTCATCTGTGTCTATCTAT 576
QY 162 CYSLYSLNPHENPHEASNAARGHISCYSLNARGVALAGLYLEUNGILNPHGLN 181
L 577 TGTAGAGACAGTTATGGAG-----AAGAAACCCAGCTGCTCTGCGGTCACAGGAC 630
QY 182 ALASPLYSTRHRLALYSGIULSERLEUVALPHEHRIEUALPHEHRIEUALPHEHRIE 201
DB 631 ATTCAGTRCAACAGCTCTAGCTGTGTGTGTGACAGACTTCAAGCTCCACGATATGCC 690
QY 201 FALAGLSERLEUVALSERGLUASNILEPHEGLNTHRGILNPRO----- 215
DB 691 CACAGAGCGCTGCTGACGCGCGGTGACTCACTGACAGACGCGGCGGCGGTGCGCTG 750
QY 215 ----- 215
DB 751 CTCCTCCATCCATGCTGTGAGGAGGCTTCAGACCCCAACCCGCGGACTCTGTGTTGGG 810
QY 216 -----LEUASPROILELEUGLUASPLASP----- 223
DB 811 GTGCATCTGCACACCACTCTTCAGGCAAGAAACCAAGGCCACCGCGGAGATGCTGCG 870
QY 224 -----CYSSERSTRHRSERGLYPHEPROTHRGLNUSERPHEHMET-ALASERYSTR 242
DB 871 ACTTTCCTCGATCCCTCAAGACGATCTGTGGGAGATTTTCAGATGCCGCTGCGCTG 930
QY 242 HRSERGLUSERHIS-----SERHIST 249
DB 931 ATGCAAGATCCATGSGGTGTGACAAACTCTTTTGTGACTCTTATCCATGCAACTACT 990

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QY 249 TP 249  
DB 991 GG 992

## RESULT 5

US-10-174-590-473

Sequence 473, Application US/10174590

Publication No. US20030008352A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Chen, Jilan

APPLICANT: Desnoyers, Luc

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Pan, James

APPLICANT: Smith, Victoria

APPLICANT: Watanabe, Colin K.

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

FILE REFERENCE: P3430R1C42

CURRENT APPLICATION NUMBER: US/10/174,590

Prior application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 612

SEQ ID NO: 473

LENGTH: 2870

TYPE: DNA

ORGANISM: Homo Sapien

US-10-174-590-473

## Alignment Scores:

Pred. No.: 3.28e-41 Length: 2870  
Score: 487.00 Matches: 111  
Percent Similarity: 50.67% Conservative: 41  
Best Local Similarity: 37.00% Mismatches: 95  
Query Match: 29.84% Indels: 54  
DB: 9 Gaps: 9

US-09-695-369a-35 (1-299) x US-10-174-590-473 (1-2870)

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QY 2 ASPCYSGINGUASNGIUTYRTPASPGLNTRPGLYARGYSVALNHCYSGINARGYS 21
DB 281 GACTGTAGACAGCAAGATTCAAGATCGCTGGAAACCTGTGTCCTCCACCAACAGGT 340

QY 22 GLYPGGLYGLNGIULEUSERLYSAPCYSGLYTYRGLYGLNGIULYSPALATYRCYS 41
DB 341 GGGCCAGCATGAGTGTCTAGAGATGTGCTTCGGCTATGGGAGATGACAGTGT 400
QY 42 THRACYSPPROBARGARGTYRYSERSERTIRPOLYHISHISYSCYSLNSERCYS 61
DB 401 GTGAGCTCCGGCTGACAGGTTCAGAGGAGGAGCTGGGCTTCAGAAATGCAAGCCCTGT 460
QY 62 ILETHYCSALAVALLIENASARGVALGINYSVALNSCYSTRHRLAHSERASALA 81
DB 461 GTGAGCTCCGACAGTGGTGAACCGCTTTCAGAAAGCAATTGTTCCACCAACGATATCC 520
QY 82 VALCYSGLYSPCYSLNUPROARGPHEIYRARGLYSTRHARGILEGLYGLYLEUNGILN 101
DB 521 ATCTCGGGGAGCTGCTTCGCAAGATTTATAGGAAGCAAACTTTCGCGCTTTCAGAC 580
QY 102 GINGUCYSILIEPCYSTRHRYSLNTHRPROTHRSERGLVALINCYSALAPHEGLN 121
DB 581 ATGGAGTGTGCTGTGGAGACCCCTCTCTCTCTACGACGACGTGTCAGAG 640
QY 122 LEUSERLEUVALGILUALASPALAPROTHRYALPROPROGLINDUALATHRIEUALA 141
DB 641 GTCAACCTCGTGAAGATCCGCTCCACGCTCCACGCGGACGCGGCTGGCTGCC 700
QY 142 LEUVALSERLEUVALVALPHEHRIEUALAPHEUVALYUENPHEHLEUVALYR 161

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Db 701 GTATTCGACGCTCTGGCCACCGTCCTGCTGCTGCTGCTGCTGCTGCTGCTAT 760
      ::::: ||| ||| ||||| ||| ||| :::::
Qy 162 CysLys---GlnPhehsmarhGhisCysGln-----ArgValAlaGlyGlyLeu 177
      ||||| ||||| ||| ||| ||||| ||||| |||||
Db 761 TGTAAAGACAGATTATGAGAAAGAA-ACCGAGCTGGTCTCTGCGGTGCGAGCAATCA 819
      ::::: ||| ||| ||||| ||||| ||||| |||||
Qy 178 Leu-----GlnPheGlnAlaAspLysThrAlaLysGlu 188
      ::| ||| ||| |||
Db 820 GTACACGGCTCTGAGCTGTGCTGTTTGACACAGCTCAGCTCCAGCAATATGC---CCA 876
      ::| ||| ||| |||
Qy 189 GluSerLeuPheProValProPro-----SerLysGlnThrSerAlaGlyVal 206
      ::||| ||| ||||| ||||| ||| ::| |||
Db 877 CAGAGCTGCTGCTGAGTGGCGGCGGAGTCAAGACCTGCGGCGGCGGCTTGTCT 936
      ::||| ||| ||||| ||||| |||
Qy 207 SerGluAsnLe-----PheGlnThrGlnProLeuAsnProLleLeuGluAsp 222
      ::||| ||| ||||| |||
Db 937 CCCATCCATGCTGCTGAGAGAGGCGCTGAGCCCAACCGGAGACTCTGTGGTGTGGGGT 966
      ::||| ||| ||||| |||
Qy 223 Asp+-CysSerSerThrSerGlyPheProThrGlnGluSer----- 235
      ||||| ||||| ||||| |||
      997 GCATTCTGACGACGCTTTCAGGAGAGAAAGACGAGCCGCGGAGAGATGTCGCGAC 1056
      ::||| ||| ||||| |||
Qy 236 -----PheThrMetAlaSerCysThr 242
      ||| |||
Db 1057 TTCTTCGGATCCCTCAGCAGATCCATCTGTGGGAGTTTTCAGATGCTGCTGTAT 1116
      ||| |||
Qy 243 SerGluSerHis-----SerHisTrp 249
      ::||| ||||| ||||| |||
Db 1117 GCAGAAATCCCATGGTGGTGTGACACATCTTTTGTGACTCTTATTCCTGAACACTGG 1176
      ::||| ||||| ||||| |||

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## RESULT 6

US-10-176-758-473

Sequence 473, Application US/10176758

Publication No. US20030008353a1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Chen, Jian

APPLICANT: Desnoyers, Luc

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Pan, James

APPLICANT: Smith, Victoria

APPLICANT: Watanabe, Colin K.

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC

ACID REFERENCE: P3430R1C104

CURRENT APPLICATION NUMBER: US/10/176,758

CURRENT FILING DATE: 2002-06-21

Prior Application removed - See File Wrapper or Palm

NUMBER OF SEQ ID NOS: 612

SEQ ID NO 473

LENGTH: 2870

TYPE: DNA

ORGANISM: Homo Sapien

US-10-176-758-473

## Alignment Scores:

```

Pred. No.: 3,28e-41 Length: 2870
Score: 487.00 Matches: 111
Percent Similarity: 50.67% Conservative: 41
Best Local Similarity: 37.00% Mismatches: 95
Query Match: 29.84% Indels: 54
DB: 9 Gaps: 9

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US-09-695-369a-35 (1-299) x US-10-176-758-473 (1-2870)

```

Qy 2 AspCysGlnGlnAsnGlnIyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21
      ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 281 GACGTGTAAGACAGAAATTCAGGAGATCGGTCTGTGAAGTGTGTCCCTGCACACAGTGT 340
      ||||| ||||| ||||| ||||| ||||| ||||| |||||

```

```

Qy 22 GlyProGlyGlnGlnLeuSerLysAspCysGlyTrpGlyGlyGlyValAspAlaTrpCys 41
      ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 341 GGGCAGGACATGAGATTGTCTAAGAAATGCTGTGCTGCTGCTGCTGCTGCTGCTGCT 400
      ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 42 ThrAlaCysProProArgTrpArgTrpLysSerSerTrpGlyHisLysCysGlnSerCys 61
      ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 401 GTGACGTGCGCTGACAGCTGACAGTTTCAAGAGAGAGACTGGGGCTCCAGAAATGCAACCCCTGT 460
      ||||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
      ::| ||||| ||||| ||||| ||||| ||||| |||||
Db 461 CTGAGCTGCCCATGCTGTGAAACCGCTTCAGAGCAAAATGTTTCAAGCCACCAAGTAAATGCC 520
      ::| ||||| ||||| ||||| ||||| ||||| |||||
Qy 82 ValCysGlyAspCysLeuProArgPheTrpArgLysThrArgLleGlyGlyLeuGluAsp 101
      ::||| ||||| ||||| ||||| ||||| ||||| |||||
Db 521 ATCTGCGGGGACATGCTTGCACAGATTTATATGAGAAAGCAAACTGTGCGCTTCAAGAC 580
      ::||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 102 GlnGluCysLleProCysThrLysGlnThrProHisSerGlnValGlnCysAlaPheGln 121
      ::||| ||||| ||||| ||||| ||||| ||||| |||||
Db 581 ATGAGAGTGTGTGCTTGTGAGAGACCTCTCTCTCTTACGAAACCGACTGTGCTGACAG 640
      ::||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
      ::||| ||||| ||||| ||||| ||||| ||||| |||||
Db 641 GTCAACCTCTGTAAGATCGCTCCAGGCTCCAGCCCAAGGAGACAGGCGCTGCTGCC 700
      ::||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPheLeuTrp 161
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Db 701 GTTATCTGACAGCGCTCTGCGCACCGCTCTGCTGCTGCTGCTGCTGCTGCTGCTAT 760
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Qy 162 CysLys---GlnPhehsmarhGhisCysGln-----ArgValAlaGlyGlyLeu 177
      ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 761 TGTAAAGACAGATTATGAGAAAGAA-ACCGAGCTGGTCTCTGCGGTGCGAGCAATCA 819
      ::||| ||||| ||||| ||||| ||||| ||||| |||||
Qy 178 Leu-----GlnPheGlnAlaAspLysThrAlaLysGlu 188
      ::| ||| ||| |||
Db 820 GTACACGGCTCTGAGCTGTGCTGTTTGACACAGCTCAGCTCCAGCAATATGC---CCA 876
      ::| ||| ||| |||
Qy 189 GluSerLeuPheProValProPro-----SerLysGlnThrSerAlaGlyVal 206
      ::||| ||| ||||| ||||| ||| ::| |||
Db 877 CAGAGCTGCTGCTGAGTGGCGGCGGAGTCAAGACCTGCGGCGGCGGCTTGTCT 936
      ::||| ||| ||||| ||||| |||
Qy 207 SerGluAsnLe-----PheGlnThrGlnProLeuAsnProLleLeuGluAsp 222
      ::||| ||| ||||| ||||| |||
Db 937 CCCATCCATGCTGCTGAGAGAGGCGCTGAGCCCAACCGGAGACTCTGTGGTGTGGGGT 966
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Qy 223 Asp+-CysSerSerThrSerGlyPheProThrGlnGluSer----- 235
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      997 GCATTCTGACGACGCTTTCAGGAGAGAAAGACGAGCCGCGGAGAGATGTCGCGAC 1056
      ::||| ||| ||||| |||
Qy 236 -----PheThrMetAlaSerCysThr 242
      ||| |||
Db 1057 TTCTTCGGATCCCTCAGCAGATCCATCTGTGGGAGTTTTCAGATGCTGCTGTAT 1116
      ||| |||
Qy 243 SerGluSerHis-----SerHisTrp 249
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Db 1117 GCAGAAATCCCATGGTGGTGTGACACATCTTTTGTGACTCTTATTCCTGAACACTGG 1176
      ::||| ||||| ||||| |||

```

## RESULT 7

US-10-052-586-473

Sequence 473, Application US/10052586

Patent No. US20020127584A1

GENERAL INFORMATION:

APPLICANT: Baker, Kevin P.

APPLICANT: Chen, Jian

APPLICANT: Desnoyers, Luc

APPLICANT: Goddard, Audrey

APPLICANT: Godowski, Paul J.

APPLICANT: Gurney, Austin L.

APPLICANT: Pan, James

APPLICANT: Smith, Victoria

APPLICANT: Watanabe, Colin K.

APPLICANT: Wood, William I.

APPLICANT: Zhang, Zemin

TITLE OF INVENTION: SECRETED AND TRANSFERABLE POLYPEPTIDES AND NUCLEIC  
FILE REFERENCE: P3430R1C1  
CURRENT APPLICATION NUMBER: US/10/052,586  
CURRENT FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
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PRIOR FILING DATE: 1997-12-17  
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PRIOR FILING DATE: 1998-03-10  
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PRIOR FILING DATE: 1998-05-07  
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PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/086023  
PRIOR FILING DATE: 1998-05-18  
PRIOR APPLICATION NUMBER: 60/086392  
PRIOR FILING DATE: 1998-05-22  
PRIOR APPLICATION NUMBER: 60/086486  
PRIOR FILING DATE: 1998-05-22  
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PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087208  
PRIOR FILING DATE: 1998-05-28  
PRIOR APPLICATION NUMBER: 60/087609  
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PRIOR FILING DATE: 1998-06-05  
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PRIOR APPLICATION NUMBER: 60/088217

PRIOR FILING DATE: 1998-06-05  
PRIOR APPLICATION NUMBER: 60/088326  
PRIOR FILING DATE: 1998-06-04  
PRIOR APPLICATION NUMBER: 60/088655  
PRIOR FILING DATE: 1998-06-09  
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PRIOR FILING DATE: 1998-06-11  
PRIOR APPLICATION NUMBER: 60/089090  
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PRIOR APPLICATION NUMBER: 60/089105  
PRIOR FILING DATE: 1998-06-12  
PRIOR APPLICATION NUMBER: 60/089512  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089514  
PRIOR FILING DATE: 1998-06-16  
PRIOR APPLICATION NUMBER: 60/089538  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089598  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089653  
PRIOR FILING DATE: 1998-06-17  
PRIOR APPLICATION NUMBER: 60/089908

Alignment Scores:  
Pred. No.: 3,286-41  
Score: 487.00  
Percent Similarity: 50.67%  
Best Local Similarity: 37.00%  
Query Match: 29.84%  
DB: 12  
Length: 2870  
Matches: 111  
Conservative: 41  
Mismatches: 95  
Indels: 54  
Gaps: 9

9-695-369a-35 (1-299) x US-10-052-586-473 (1-2870)

QY 2 ACPYSGINGUASNGUITYRTPAPGINTPPGAYGYSVALINHCYSGLINARGYS 21  
DB 281 GACTGTAGACAGCAAGATTCTAGGACTGCTGGAACTGTGTCCCTCAACCACTGT 340  
QY 22 GLPYTCGLYNGULUASERLYSASPYSGLYTRGULUGLYGYSALATYRYS 41  
DB 341 GGGCCAGGCAATGAGATTCTTAAGGAATGTGCTTGGGAGAGATGACAGTGT 400  
QY 42 THALACYSPROFARGATYRYSERSETRPGLYSHLSHLSYSCYSLINSEYCS 61  
DB 401 GTGAGTCGCGGCTGCACAGAGTTCAGAGAGAGACTGGGCTTCCAGAAATGCAAGCCCTGT 460  
QY 62 ILEHRCYSALAVALLIENASARGVALINLYSVALANCYSITRHALATRSERASALA 81  
DB 461 CTGAGCTGCGAGAGTGGAACCCCTTTCAGAAAGCAATTTCTTACGCCACCACTGATGCC 520  
QY 82 VALCYSGLYASPPCYSLIENAPROARGPHELYRARGLYSTRARGILEGLYLEUGLNASP 101  
DB 521 ATCTGGGGAGCTGCTTGCACAGAGATTTTATAGAGAGAGCAACTTGGCTTTCAGAGAC 580  
QY 102 GINGLUCYSILEPROCYSTRHLYSGINTRPROTHSERGIUVALINGCYSLALAPHEIN 121

DB 581 ANGAGTGTGTGCTTGTGAGACCTCTCTCTTACGAAACCGACTGTGCGACAG 640  
QY 122 LEUSERLEUVALIGUALASPALAPROTHRALPROPOGINGULIATRHLEUVALA 141  
DB 641 GTCAACTGTGAGAGATGCGCTCAGCGCTTCCAGCCGAGAGAGCGGCTGTGCT 700  
QY 142 LEUVALSERSETLEUVALPHEHRLLEUVALPHELEUVALPHELEUVALPHE 161  
DB 701 GTTATCTGAGCGCTGTGCGCCACCGCTCTGCGCTTGTGCTTGTGCTTGT 760  
QY 162 CYSLYS---GLNPHEASARGHLSYSGIN-----ARGVALALALYGLYLEU 177  
DB 761 TGTAGAGACAGTTTATGAGAGAA-ACCAGAGTGTCTGTGCGGAGGAGATTC 819  
QY 178 LEU-----GLNPHEUVALASPLYSITRHALALYSGU 188  
DB 820 GTNCAAGGCTGTGAGCTGTGTGTGTGAGACCTGCTCCAGCAATATGCG-CCA 876  
QY 189 GLUSERLEUPHEPROVALPROPRO-----SERLYSGIUTRSEALAGUSERGVAL 206  
DB 877 CAGAGCTGTGCGAGGCGCGCTGACTGACGAGACCTGCGGCGGTGCTGTCT 936  
QY 207 SERGIUASILE-----PHEINTRHGINPROLEUASPROILEUVALASP 222  
DB 937 CCCATCATGTCTGTGAGAGAGGCTGACAGCCCAACCGGCTGTGTGTGAGGT 996  
QY 223 ASP---CYSSETRHRSERGIYSPHEPROTHRINGLUSER----- 235  
DB 997 GCATTGTGAGCAGTCTTCAGGCAAGAACCGCCAGCCCGGAGATGTCGCGAC 1056  
QY 236 -----PHEHRLTALASERYCSYTHR 242  
DB 1057 TTTCTTGGATCCTCAGGAGTCCATCTGTGCGAGATTTCAGATCCTGCGCTGTGAT 1116  
QY 243 SERGIUSERHIS-----SERHISTRP 249  
DB 1117 GCAGATTCATGAGGTGTGTGACACATCTTTTGTGACTTATTCCTGAATCATCTG 1176

RESULT 8  
US-09-780-532-3  
Sequence 3, Application US/09780532  
Patent No. US20020068696A1  
GENERAL INFORMATION:  
APPLICANT: Wood, Clive  
APPLICANT: Chaudhary, Divya  
TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO  
FILE REFERENCE: GNN-012CP  
CURRENT APPLICATION NUMBER: US/09/780,532  
CURRENT FILING DATE: 2001-02-09  
PRIOR APPLICATION NUMBER: 60/181,922  
PRIOR FILING DATE: 2000-02-11  
PRIOR APPLICATION NUMBER: 60/182,148  
PRIOR FILING DATE: 2000-02-14  
NUMBER OF SEQ ID NOS: 10  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 3  
LENGTH: 1325  
TYPE: DNA  
ORGANISM: Homo sapiens  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(1269)  
US-09-780-532-3

Alignment Scores:  
Pred. No.: 5,566-41  
Score: 480.00  
Percent Similarity: 56.45%  
Best Local Similarity: 41.53%  
Query Match: 29.41%  
DB: 10  
Length: 1325  
Matches: 103  
Conservative: 37  
Mismatches: 87  
Indels: 22  
Gaps: 7

US-09-695-369a-35 (1-299) x US-09-780-532-3 (1-1325)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21  
 DB 97 GAGTGAAGACAGCAAGATTCAGAGATCGCTGGAACCTGTGCTCCCTGCAACAGTGT 156  
 QY 22 GlyProGlnGlnGluSerLeuSerLysAspCysGlyTyrGlnGluGlyAspAlaIleCys 41  
 DB 157 GGGCCAGCAGTGAAGTGTCTAGAGATGTGCTCGGCTATGGGAGATGACAGATGT 216  
 QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61  
 DB 217 GAGAGTGCAGCTGACAGCTTCAAGAGAGAGTGGGCTTCCAGAAATGCAAGCCCTGT 276  
 QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81  
 DB 277 GCGAGCTGCGAGTGTGAACCGCTTTCAGAAAGCAATTTGTTCAGCCACAGATATGCC 336  
 QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGlnAsp 101  
 DB 337 ACTGCGGGGACCTGCTCCAGATTTTATAGAGAGAGAACTGTGCGCTTTCAGAGC 396  
 QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121  
 DB 397 ATGAGTGTGCTGCTGTGAGACCTCCTCCTTACGAAACCGACGTGTGCGACAG 456  
 QY 122 LeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuValAla 141  
 DB 457 GTCACACTCGTGAAGATCGGCTCCAGCGCTCCAGCCAGGACGAGCGGTGCTGCC 516  
 QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPheLeuTyr 161  
 DB 517 GTTATCTGACCGCTCTGCGCCACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 576  
 QY 162 CysLys--GlnPhePheAsnArgHisCysGln-----ArgValAlaGlyLeu 177  
 DB 577 TGTAAAGACAGATTATGAGAGAGAA-ACCACGCTGCTGTGCGGACAGAGATTCAC 635  
 QY 178 Leu-----GlnPheGluAlaAspLysThrAlaLysGlu 188  
 DB 636 GTACAAAGCTGTGAGCTGTGCTGTGACAGACCTGACAGCGGACGAGTATGCG 692  
 QY 189 GlnSerLeuPheProValProPro-----SerLysGlnThrSerAlaGlnSerGlnVal 206  
 DB 693 CAGAGCTGCTGCGCAGTGCAGCGCGGCTGACCTGACAGACCTGCGGCGCTGCTGCT 752  
 QY 207 SerGluAsnIle-----PheGlnThrGlnProLeuAsnProIleLeuGlnAsp 222  
 DB 753 CCATCATGCTGTGTGAGAGAGCTTCAGCCGCCACCGGCGACCTTGTGTTGGGGGT 812  
 QY 223 Asp---CysSerSerThrSerGly 229  
 DB 813 GCATTCTGCAGCCAGCTCTTCAGGC 836

RESULT 9  
 US-10-114-893-120  
 ; Sequence 120, Application US/10114893  
 ; Publication No. US20020193567A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Jacobs, Kenneth  
 ; APPLICANT: McCoy, John M.  
 ; APPLICANT: LaValle, Edward R.  
 ; APPLICANT: Collins-Racie, Lisa A.  
 ; APPLICANT: Evans, Cheryl  
 ; APPLICANT: Werberg, David  
 ; APPLICANT: Treacy, Maurice  
 ; APPLICANT: Bowman, Michael R.  
 ; APPLICANT: Spaulding, Vikki  
 ; APPLICANT: Carlin-Duckett, McKenough  
 ; APPLICANT: Kelleher, Kerry S.  
 ; APPLICANT: Genetics Institute, Inc.  
 ; TITLE OF INVENTION: SECRETED PROTEINS AND POLYPEPTIDES ENCODING THEM  
 ; FILE REFERENCE: GI 6000-10A

; CURRENT APPLICATION NUMBER: US/10/114.893  
 ; CURRENT FILING DATE: 2002-04-02  
 ; EARLIER APPLICATION NUMBER: 09/413,232  
 ; EARLIER FILING DATE: 1999-10-06  
 ; NUMBER OF SEQ ID NOS: 321  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 120  
 ; LENGTH: 1502  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 US-10-114-893-120

Alignment Scores:  
 Pred. No.: 6,71e-41 Length: 1502  
 Score: 480.00 Matches: 103  
 Percent Similarity: 56.45% Conservative: 37  
 Best Local Similarity: 41.53% Mismatches: 87  
 Query Match: 29.41% Indels: 22  
 DB: 9 Gaps: 7

US-09-695-369a-35 (1-299) x US-10-114-893-120 (1-1502)

QY 2 AspCysGlnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21  
 DB 147 GAGTGAAGACAGCAAGATTCAGAGATCGCTGGAACCTGTGCTCCCTGCAACAGTGT 206  
 QY 22 GlyProGlnGlnGluSerLeuSerLysAspCysGlyTyrGlnGluGlyAspAlaIleCys 41  
 DB 207 GGGCCAGCAGTGAAGTGTCTAGAGATGTGCTCGGCTATGGGAGAGTGCACAGTGT 266  
 QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61  
 DB 267 GAGAGTGCAGCTGACAGCTTCAAGAGAGAGTGGGCTTCCAGAAATGCAAGCCCTGT 326  
 QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81  
 DB 327 GCGAGCTGCGAGTGTGAACCGCTTTCAGAAAGCAATTTGTTCAGCCACAGTATGCC 386  
 QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGlnAsp 101  
 DB 387 ACTGCGGGGACCTGCTCCAGATTTTATAGAGAGAGAACTGTGCGCTTTCAGAGC 446  
 QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121  
 DB 447 ATGAGTGTGCTGCTGTGAGAGACCTCCTCCTTACAGAACCGACAGTGTGCGACAG 506  
 QY 122 LeuSerLeuValGluAlaAspAlaProThrValProProGlnGluAlaThrLeuValAla 141  
 DB 507 GTCACACTCGTGAAGATCGGCTCCAGCGCTCCAGCCAGCGGACGAGCGCTGCTGCC 566  
 QY 142 LeuValSerSerLeuLeuValValPheThrLeuAlaPheLeuGlyLeuPheLeuTyr 161  
 DB 567 GTTATCTGACCGCTCTGCGCCACCGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 626  
 QY 162 CysLys--GlnPhePheAsnArgHisCysGln-----ArgValAlaGlyLeu 177  
 DB 627 TGTAAAGACAGATTATGAGAGAGAA-ACCACGCTGCTGTGCGGCTGCGACAGAGATTCAC 685  
 QY 178 Leu-----GlnPheGluAlaAspLysThrAlaLysGlu 188  
 DB 686 GTACAAAGCTGTGAGCTGTGCTGTGACAGACCTGACAGCTCCAGAAATGCG--CCA 742  
 QY 189 GlnSerLeuPheProValProPro-----SerLysGlnThrSerAlaGlnSerGlnVal 206  
 DB 743 CAGAGCTGCTGCGCAGTGCAGCGCGGCTGACCTGACAGACCTGCGGCGCTGCTGCT 802  
 QY 207 SerGluAsnIle-----PheGlnThrGlnProLeuAsnProIleLeuGlnAsp 222  
 DB 803 CCATCATGCTGTGTGAGAGAGCTTCAGCCGCCACCGGCGACCTTGTGTTGGGGGT 862  
 QY 223 Asp---CysSerSerThrSerGly 229  
 DB 863 GCATTCTGCAGCCAGCTCTTCAGGC 886

US-09-695-369A-35 (1-299) x US-09-780-532-5 (1-1914)

RESULT 11  
US-09-782-980-25  
; Sequence 25, Application US/09782980

CURRENT APPLICATION NUMBER: US/09/782,980

PRIOR APPLICATION NUMBER: PCT/US00/021255

;; PRIOR FILING DATE: 2000-01-27;  
;; PRIOR APPLICATION NUMBER: 09/448,076;  
PRIOR FILING DATE: 1000-11-23

PRIOR FILING DATE: 1999-11-29  
PRIOR APPLICATION NUMBER: 09/276,400  
PRIOR FILING DATE: 1999-03-25

PRIOR APPLICATION NUMBER: 60/117,580  
PRIOR FILING DATE: 1999-01-27

PRIOR FILING DATE: 1998-01-27

PRIOR APPLICATION NUMBER: 09/014,348  
PRIOR FILING DATE: 1998-01-27

PRIOR APPLICATION NUMBER: 09/086,892  
PRIOR FILING DATE: 1998-05-29

;; PRIOR APPLICATION NUMBER: 09/296,208  
;; PRIOR FILING DATE: 1999-04-21

;; PRIOR APPLICATION NUMBER: 09/063,950  
;; PRIOR FILING DATE: 1998-04-21

PRIOR APPLICATION NUMBER: 09/561,381  
PRIOR FILING DATE: 2000-04-28

; PRIOR APPLICATION NUMBER: 09/561,810  
 ; PRIOR FILING DATE: 2000-04-28

;; PRIOR APPLICATION NUMBER: 09/087,121  
; PRIOR FILING DATE: 1998-05-29

PRIOR FILING DATE: 2000-09-28

PRIOR FILING DATE: 1998-03-27

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; NUMBER OF SEQ ID NOS: 1/3
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 35

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/      CDS: ID: NO. 20
;      LENGTH: 555
      TYPE: DNA

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ORGANISM: *Mus musculus*  
FEATURE:

NAME/KEY: CDS  
LOCATION: (1) - (555)

US-09-782-980-25

Alignment Scores:  
Pred. No.: 6.4e-41

Score:	474.00
Percent Similarity:	65.45%

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Best Local Similarity: 47.88%
Query Match: 29.04%
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Pred. No.:	6.4e-41	Length:	55
Score:	474.00	Matches:	79
Percent Similarity:	65.45%	Conservative:	29
Best Local Similarity:	47.88%	Mismatches:	57
Query Match:	29.04%	Indels:	0





OY	42	thmalacysrprobrahgarhytlylvsersertpglyhshslscysglinsercys	61
Db	323	gtggccctgcagggccgaccgggttcAAAGGAACCTGGGGTTTCCAGAAGGTGTAAGCATGT	382
OY	62	IlethrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla	81
Db	383	GGGCAcGTcCGCTGGTGATGACCcGCTTCACAGAgGCCACTcGTCTACACACACAGTATcCT	442
OY	82	VAlCysGlAspCysLeuProArRgPheThyArgLystrArgileglylsleuGlnasp	101
Db	443	GTCtTCGGGGACtGCCTCGCACAGATTttTACCGGAAGACAACtAGTGGTTTCCAAGAc	502
OY	102	gInGluCysIlleProcCysThrLysGlnTrhProThrSerGluValGInCysAlaPheGln	121
Db	503	ANGAAGGTGTGGCTCGGGGAGAACCCACCTCCCTCCtACGACACACtGTACCGAGAC	562
OY	122	IeuserLeuValGlnAlaAspAlaProThValProProgInGlnIlaIrhLeuValAla	141
Db	563	GTGAACCTGTGAAGATCTCCTCCACCGTCCAGCCCTCGGGACAGGGCGCTGGCTGC	622
OY	142	IeuValserSerLeuLeuValValPhethrLeuAlaPheLeuGlyLeuPheLeuTyrr	161
Db	623	GCATCTGCAGTCTGTGGCCACCGGTCTGTCTGCCCTCTCACTCtGTGTGTATCTAC	682
OY	162	CysLysGlnPhePhe 166	
Db	683	TGCAAGAGGCAGTTC 697	
<hr/>			
RESULT 14			
US-09-840-795-14			
: Sequence 14, Application US/09840795			
: Patent No. US2002014317AL			
: GENERAL INFORMATION:			
: APPLICANT: Murphy, Erin E.			
: APPLICANT: Mattson, Jeanne D.			
: APPLICANT: Bates, Elizabeth Esther Mary			
: APPLICANT: Gorman, Daniel M.			
: APPLICANT: Lebeque, Serge J.E.			
: TITLE OF INVENTION: Mammalian Genes; Related Reagents			
: FILE REFERENCE: SF0818K			
: CURRENT APPLICATION NUMBER: US/09/840,795			
: CURRENT FILING DATE: 2001-04-23			
: PRIOR APPLICATION NUMBER: 09/351,777			
: PRIOR FILING DATE: 1999-07-12			
: NUMBER OF SEQ ID NOS: 19			
: SOFTWARE: Patent In Ver. 2.0			
: SEQ ID NO 14			
: LENGTH: 474			
: TYPE: DNA			
: ORGANISM: primate			
: FEATURE:			
: NAME/KEY: CDS			
: LOCATION: (78)..(473)			
: NAME/KEY: misc_feature			
: LOCATION: (308)			
: OTHER INFORMATION: n; may be A, C, G, or T			
: LOCATION: (315)			
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: NAME/KEY: misc_feature			
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: OTHER INFORMATION: n; may be A, C, G, or T			
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: LOCATION: (412)			
: OTHER INFORMATION: n; may be A, C, G, or T			
: NAME/KEY: misc_feature			
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: OTHER INFORMATION: n; may be A, C, G, or T			
: NAME/KEY: misc_feature			
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: NAME/KEY: misc_feature			

LOCATION: (444)  
 ; OTHER INFORMATION: n; may be A, C, G, or T  
 ; NAME/KEY: misc\_feature  
 ; LOCATION: (473)  
 ; OTHER INFORMATION: n; may be A, C, G, or T  
 US-09-840-795-14

## Alignment Scores:

Pred. No.: 9.23e-41 Length: 474  
 Score: 471.50 Matches: 100  
 Percent Similarity: 80.158 Conservative: 5  
 Best Local Similarity: 76.348 Mismatches: 19  
 Query Match: 28.898 Indels: 8  
 Gaps: 3

US-09-695-369a-35 (1-299) x US-09-840-795-14 (1-474)

QY 1 MetaspCysgluInuansgluYrrtrpaspIntrpalyarGysValnhrCysglInaArg 20  
 L 78 ATGATTCGCCAAGAAATGAGTACTGGAGCAATGGGACGCTGTCTACCTGCCAAGCG 137  
 QY 21 CysglYProglYngInuSerlySaspCysglYrclYglInuYlYaspAlaYr 40  
 Db 138 TGTGTCCTGGACAGAGCTATCCAGGATTTGTGATTGAGAGGGTGGAGATGCCCTAC 197  
 QY 41 CysThrAlaCysProProArGArGTYrlySserSertrpGlyHisHislySsgInser 60  
 Db 198 TGCACAGCTGCCCTCCTCCGCGAG-TACAAAGCAGCTGGGGCCACACAAATGTCAGAGT 256  
 QY 61 CysIleThrCysAlaValIleasnArgValGlnlySVal-AsnCysThrAlaThrSerAs 80  
 Db 257 TGCATCACCTGTCTCTCATCAATCGTTCAGAGGTCACTGACAGTNAACCTGNA 316  
 QY 80 nAlaValCysglYaspCys-LeuProArgPheTYr--ArglySThrArgIleGly-Gly 98  
 Db 317 TGTCTGTGGGGGAGNGTGTGGCCAAAGTTTCTAACCGAAGACAGCCGATGGAGAGC 376  
 QY 99 LeuGlnaspGln-GluCysIleProCysThrlyS---GlnThrProThrSerGlu--Va 116  
 Db 377 TGCAGAGGACAGAGATGGCATCCCTGGGCACAAAGNAGACCCCACTTCTGANGRTN 436  
 QY 116 lGlnCysAlaPheGlnLeuSerleu 124  
 Db 437 CAAGTGNCTTCCATTCAGAGCTT 461

## RESULT 15

US-09-877-156-8  
 ; vidence 8, Application US/09877156  
 ; -ent No. US20020055625A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Catherine Tribouley  
 ; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES  
 ; FILE REFERENCE: 1408.003/200130.439C1  
 ; CURRENT APPLICATION NUMBER: US/09/877,156  
 ; PRIOR FILING DATE: 2001-06-08  
 ; PRIOR APPLICATION NUMBER: US 09/286,529  
 ; NUMBER OF SEQ ID NOS: 25  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 8  
 ; LENGTH: 893  
 ; TYPE: DNA  
 ; ORGANISM: human  
 US-09-877-156-8

## Alignment Scores:

Pred. No.: 6.86e-38 Length: 893  
 Score: 448.00 Matches: 78  
 Percent Similarity: 65.45% Conservative: 30  
 Best Local Similarity: 47.27% Mismatches: 57  
 Query Match: 27.45% Indels: 1  
 Gaps: 0

US-09-695-369a-35 (1-299) x US-09-877-156-8 (1-893)

QY 2 AspCysgluInuansgluYrrtrpaspIntrpalyarGysValnhrCysglInaArgCys 21  
 Db 151 GATTCAGGACAGAGAAATTCAGAGATCTGGAAGACGTGCTGCTGCAACAGAGTGC 210  
 QY 22 GlyProglYngInuSerlySaspCysglYrclYglInuYlYaspAlaYrCys 41  
 Db 211 GCACCTGGCAGGAGTGTCTCAGAGAAATGCTGCTGCTATGGGAGAGATGCAGAGTGT 270  
 QY 42 ThrAlaCysProProArGArGTYrlySserSertrpGlyHisHislySsgInserCys 61  
 Db 271 GTGCCCTCAGCGCCGACCGCTTCAAGAGACAGCTGCTTCCAGAGTGTAGCCATGT 330  
 QY 62 lIleThrCysAlaValIleasnArgValGlnlySValAsnCysThrAlaThrSerAsnAla 81  
 Db 331 GCGGACTGTGCGCTGGAGACCCCTTTCAGAGGGCCAACTGCTCACACACAGTATGCT 390  
 QY 82 ValCysglYaspCysLeuProArgPheTYrArgIleGlySThrArgIleGlyLeuGlnasp 101  
 Db 391 GTCGCGGGGACCTGCTGCCAGAGATTTACCGAAGACCAACTGCTGTTCAGAGAC 450  
 QY 102 GlnGluCysIleProCysThrlySglnThrProThrSerGluValGlnlySAlaPheGln 121  
 Db 451 ATGGAGTGTGTGCTGCTGCGAGACCACTCTCTTCCAGACACACTGTACAGCAGAG 510  
 QY 122 LeuSerleuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrleuValAla 141  
 Db 511 GTGAACCTTGTGAAGATCTCTCCACCGTCTCCAGCCCTCGGACACGGCGGTGCTGCC 570  
 QY 142 LeuValSerSerleuLeuValAlaPheThrleuAlaPheleuGlnleuPhePheleuTYr 161  
 Db 571 GTCATCTGAGAGTGTCTGCGACAGGAGTGTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 629  
 QY 162 CysIysGlnPhePhe 166  
 Db 630 TGCAGAGGACAGTTC 644

Search completed: January 15, 2003, 17:35:39  
 Job time : 312.744 secs

GenCore version 5.1.3  
Copyright (c) 1993 - 2003 CompuGen Ltd.

OM protein - nucleic search, using frame\_plus.p2n model

Run on: January 15, 2003, 01:03:20 ; Search time 130.887 Seconds  
(without alignments)  
436.033 Million cell updates/sec

Title: US-09-695-369a-2\_COPY\_2\_129  
Perfect score: 743  
Sequence: 1 DCGENEXWDQMGRCVTCQRC.....QTPTSEVQCAFQSLVEADA 128

Scoring table:  
BLOSUM62  
Xgapop 10.0, Xgapext 0.5  
Ygapop 10.0, Ygapext 0.5  
Delop 6.0, Delext 7.0

Searched: 393868 seqs, 222934149 residues  
Total number of hits satisfying chosen parameters: 787736

Minimum DB seq length: 0  
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%  
Maximum Match 100%  
Listing first 45 summaries

Command line parameters:  
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-O=/cgn2\_1/USPFO\_SPOOL/US09695369/runat\_13012003\_101047\_27977/app.query.fasta.1.1955  
-DB=published\_applications\_na -QEXT=fastap -SOFTX=trnp -MINMATCH=0.1  
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-TRANS=human40.ccd -LIST=45 -DOCALIGN=200 -THR\_SCORE=pcr -THR\_MAX=100  
-THR\_MIN=0 -ALIGN=15 -MODE=LOCAL -OUTFMT=ptc -NORM=ext -HEADSIZE=500 -MINLEN=0  
-MAXLEN=2000000000 -USER=US09695369.ecgn.1.1.70.ernat.13012003\_101047\_27977  
-NCPU=6 -ICPU=3 -NO\_XLPEX -NO\_MMAP -LARGEOUTERY -NEG\_SCORES=0 -WAIT -JONKLOC  
-DEV\_TIMEOUT=120 -WARN\_TIMEOUT=30 -THREADS=1 -XGAPOP=10 -XGAPEXT=0.5 -FGAPOP=6  
-FGAPEXT=7 -YGAPOP=10 -YGAPEXT=0.5 -DELOP=6 -DELEXT=7

Database :

- 1: /cgn2\_6/ptodata/1/pubpna/US07\_PUBCOMB.seq:\*
- 2: /cgn2\_6/ptodata/1/pubpna/PCIT\_NEW\_PUB.seq:\*
- 3: /cgn2\_6/ptodata/1/pubpna/US06\_NEW\_PUB.seq:\*
- 4: /cgn2\_6/ptodata/1/pubpna/US06\_PUBCOMB.seq:\*
- 5: /cgn2\_6/ptodata/1/pubpna/US07\_NEW\_PUB.seq:\*
- 6: /cgn2\_6/ptodata/1/pubpna/PCITUS\_PUBCOMB.seq:\*
- 7: /cgn2\_6/ptodata/1/pubpna/US08\_NEW\_PUB.seq:\*
- 8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/1/pubpna/US09\_NEW\_PUB.seq:\*
- 10: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*
- 11: /cgn2\_6/ptodata/1/pubpna/US10\_NEW\_PUB.seq:\*
- 12: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq:\*
- 13: /cgn2\_6/ptodata/1/pubpna/US60\_NEW\_PUB.seq:\*
- 14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match Length	ID	Description
1	743	100.0	932 10	US-09-840-795-18
2	740	99.6	905 10	US-10-119-466-11
3	489.5	65.9	546 10	US-09-840-795-16
4	466.5	62.8	474 10	US-09-840-795-14

5	424	57.1	1325 10	US-09-780-532-3	Sequence 3, Appli
6	424	57.1	1502 9	US-10-114-893-120	Sequence 120, Appl
7	424	57.1	1660 9	US-09-780-532-1	Sequence 1, Appli
8	424	57.1	2870 9	US-10-174-590-473	Sequence 473, App
9	424	57.1	2870 9	US-10-176-758-473	Sequence 473, App
10	424	57.1	2870 12	US-10-052-586-473	Sequence 473, App
11	416	56.0	555 10	US-09-782-980-25	Sequence 25, Appl
12	416	56.0	642 10	US-09-782-980-24	Sequence 24, Appl
13	416	56.0	893 10	US-09-877-156-8	Sequence 8, Appli
14	416	56.0	981 10	US-09-782-980-22	Sequence 22, Appl
15	416	56.0	1914 10	US-09-780-532-5	Sequence 5, Appli
16	406	54.6	363 10	US-09-782-980-29	Sequence 29, Appl
17	406	54.6	450 10	US-09-782-980-28	Sequence 28, Appl
18	406	54.6	623 10	US-09-877-156-9	Sequence 9, Appli
19	406	54.6	636 10	US-09-840-795-12	Sequence 12, Appl
20	406	54.6	695 10	US-09-782-980-26	Sequence 26, Appl
21	383	51.5	292 9	US-10-119-466-4	Sequence 4, Appli
22	140.5	18.9	1290 10	US-09-057-951-3	Sequence 3, Appli
23	140.5	18.9	1290 12	US-10-105-150-3	Sequence 3, Appli
24	140.5	18.9	2570 10	US-09-057-951-1	Sequence 1, Appli
25	140.5	18.9	2570 12	US-10-105-150-1	Sequence 1, Appli
26	140.5	18.9	2703 10	US-09-836-607-1	Sequence 1, Appli
27	132	17.8	705 10	US-09-907-263-3	Sequence 3, Appli
28	132	17.8	1641 10	US-09-758-124-1	Sequence 1, Appli
29	132	17.8	2224 10	US-09-800-909-1	Sequence 1, Appli
30	132	17.8	2224 10	US-09-800-908-2	Sequence 2, Appli
31	132	17.8	3683 10	US-09-954-456-1187	Sequence 1187, Ap
32	131	17.6	558 10	US-09-934-289A-31	Sequence 31, Appl
33	131	17.6	579 10	US-09-934-289A-3	Sequence 3, Appli
34	131	17.6	591 10	US-09-934-289A-19	Sequence 19, Appl
35	131	17.6	831 10	US-09-934-289A-43	Sequence 43, Appl
36	131	17.6	1596 10	US-09-934-289A-17	Sequence 17, Appl
37	131	17.6	1704 12	US-10-020-787-1	Sequence 1, Appli
38	131	17.6	1724 10	US-09-924-231-1	Sequence 1, Appli
39	131	17.6	1724 10	US-09-934-289A-14	Sequence 14, Appl
40	131	17.6	1834 10	US-09-934-289A-41	Sequence 41, Appl
41	131	17.6	1929 10	US-09-934-289A-1	Sequence 1, Appli
42	131	17.6	2313 10	US-09-934-289A-29	Sequence 29, Appl
43	131	17.6	4622 10	US-09-924-231-6	Sequence 6, Appli
44	125	16.8	1480 10	US-09-802-669-65	Sequence 65, Appl
45	125	16.8	8282 9	US-09-966-970A-7	Sequence 7, Appli

ALIGNMENTS

RESULT 1  
US-09-840-795-18  
; Sequence 18, Application US/09840795  
; Patent No. US20020143147A1  
; GENERAL INFORMATION:  
; APPLICANT: Murphy, Erin E.  
; APPLICANT: Bateson, Jeanne D.  
; APPLICANT: Gorman, Daniel M.  
; APPLICANT: Lebecque, Serge J.E.  
; TITLE OF INVENTION: Mammalian Genes; Related Reagents  
; FILE REFERENCE: SFO818K  
; CURRENT APPLICATION NUMBER: US/09/840,795  
; PRIOR FILING DATE: 2001-04-23  
; PRIORITY DATE: 1999-07-12  
; NUMBER OF SEQ ID NOS: 19  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 18  
; LENGTH: 932  
; TYPE: DNA  
; ORGANISM: primate  
; NAME/KEY: CDS  
; NAME/KEY: (78), (770)  
; LOCATION: (78), (770)  
; NAME/KEY: misc\_feature  
; LOCATION: (782)  
; OTHER INFORMATION: n; may be A, C, G, or T

US-09-840-795-18

## Alignment Scores:

Score: 4.19e-71 Length: 932  
Percent Similarity: 743.00 Matches: 128  
Best Local Similarity: 100.00% Conservative: 0  
Query Match: 100.00% Mismatches: 0  
DB: 10 Indels: 0  
Gaps: 0

US-09-695-369a-2\_copy\_2\_129 (1-128) x US-09-840-795-18 (1-932)

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    |||||||
DB 81 GATTGCCAAGAAATAGACTGACGACCAATGGGACGGGTGTCACTGCCCAAGGGTGT 140
QY 21 GTPProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyValAspAlaTyrCys 40
    |||||||
DB 141 GGTCTGGACAGAGCTATCCAAAGATGTGTATGAGAGGGGTGGAGATGCCCTACTGC 200
QY 41 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisLysCysGlnSerCys 60
    |||||||
L 201 ACAGCTGCCCTCTCTCGACAGTACAAAGACAGCTGGGGCCACCACCAATGTCAAGATTGC 260
QY 61 ThrCysAlaValAlaLeuAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 80
    |||||||
DB 261 ATCACTGCTGCTCATCATCATGCTTCAGAGGTCACTGACAGCTCACTCAATGCT 320
QY 81 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgGlyGlyLeuGlnAsp 100
    |||||||
DB 321 GCTGTGGGAGACTGTTGGCCAGGTTTACCGAAGACAGCGATTGGAGGGCTTCAGAGAC 380
QY 101 GlnGluCysLleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPheGln 120
    |||||||
DB 381 CAAGAGGCAATCCCGTCGACGAGACGAGACCCCACTCTGAGGTTCAATGTGCTTCAG 440
QY 121 LeuSerLeuValGlnAlaAspAla 128
    |||||||
DB 441 TTGAGCTTATGTGAGGAGGACGATGCA 464

RESULT 2
US-10-119-466-11
; Sequence 11, Application US/10119466
; Patent No. US20020166674A1
; GENERAL INFORMATION:
; APPLICANT: Chul, Clarissa
; APPLICANT: Grimaldi, J. Christopher
; APPLICANT: Milton, Sean
; APPLICANT: Yan, Minhong
; APPLICANT: Yi, Sothy
; TITLE OF INVENTION: CLONING METHOD
; FILE REFERENCE: P1797
; CURRENT APPLICATION NUMBER: US/10/119,466
; CURRENT FILING DATE: 2002-04-09
; PRIOR APPLICATION NUMBER: US/09/480,782
; PRIOR FILING DATE: 2000-01-10
; NUMBER OF SEQ ID NOS: 12
; SEQ ID NO 11
; LENGTH: 905
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: Homo sapiens
; LOCATION: 1-905
; OTHER INFORMATION: Sequence source: ORF position 4 - 903 bp
US-10-119-466-11
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Alignment Scores:  
Pred. No.: 8.46e-71 Length: 905  
Score: 740.00 Matches: 127  
Percent Similarity: 100.00% Conservative: 1  
Best Local Similarity: 99.22% Mismatches: 0  
Query Match: 99.60% Indels: 0

DB: 9 Gaps: 0

US-09-695-369a-2\_copy\_2\_129 (1-128) x US-10-119-466-11 (1-905)

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DB 7 GATTGCCAAGAAATAGACTGACGACCAATGGGACGGGTGTCACTGCCCAAGGGTGT 66
QY 21 GTPProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyValAspAlaTyrCys 40
    |||||||
DB 67 GGTCTGGACAGAGCTATCCAAAGATGTGTATGAGAGGGGTGGAGATGCCCTACTGC 126
QY 41 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisLysCysGlnSerCys 60
    |||||||
DB 127 ACAGCTGCCCTCTCTCGACAGTACAAAGACAGCTGGGGCCACCACCAAGATGTCAAGATTGC 186
QY 61 ThrCysAlaValAlaLeuAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 80
    |||||||
DB 187 ATCACTGCTGCTCATCATCATGCTTCAGAGGTCACTGACAGCTCACTCAATGCT 246
QY 81 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgGlyGlyLeuGlnAsp 100
    |||||||
DB 247 GCTGTGGGAGACTGTTGGCCAGGTTTACCGAAGACAGCGATTGGAGGGCTTCAGAGAC 306
QY 101 GlnGluCysLleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPheGln 120
    |||||||
DB 307 CAAGAGGCAATCCCGTCGACGAGACGAGACCCCACTCTGAGGTTCAATGTGCTTCAG 366
QY 121 LeuSerLeuValGlnAlaAspAla 128
    |||||||
DB 367 TTGAGCTTATGTGAGGAGGACGATGCA 390

RESULT 3
US-09-840-795-16
; Sequence 16, Application US/09840795
; Patent No. US20020143147A1
; GENERAL INFORMATION:
; APPLICANT: Murphy, Erin E.
; APPLICANT: Mattson, Jeanine D.
; APPLICANT: Bates, Elizabeth Esther Mary
; APPLICANT: Gorman, Daniel M.
; APPLICANT: Lebecque, Serge J.E.
; TITLE OF INVENTION: Mammalian genes; Related Reagents
; FILE REFERENCE: SF0818X
; CURRENT APPLICATION NUMBER: US/09/840,795
; CURRENT FILING DATE: 2001-04-23
; PRIOR APPLICATION NUMBER: 09/351,777
; PRIOR FILING DATE: 1999-07-12
; NUMBER OF SEQ ID NOS: 19
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 16
; LENGTH: 546
; TYPE: DNA
; ORGANISM: primate
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (78)..(308)
; NAME/KEY: misc_feature
; LOCATION: (317)
; OTHER INFORMATION: n: may be A, C, G, or T
; NAME/KEY: misc_feature
; LOCATION: (340)
; OTHER INFORMATION: n: may be A, C, G, or T
; NAME/KEY: misc_feature
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; LOCATION: (389)
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; NAME/KEY: misc_feature
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; NAME/KEY: misc_feature
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LOCATION: (428)  
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; LOCATION: (429)  
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; LOCATION: (452)  
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; LOCATION: (468)  
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; NAME/KEY: misc\_feature  
; LOCATION: (483)  
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; NAME/KEY: misc\_feature  
; LOCATION: (534)  
; OTHER INFORMATION: n; may be A, C, G, or T  
; NAME/KEY: misc\_feature  
; LOCATION: (541)  
; OTHER INFORMATION: n; may be A, C, G, or T  
US-09-840-795-16

Alignment Scores:  
Pred. No.: 3,3e-44 Length: 546  
Score: 489.50 Matches: 91  
Percent Similarity: 87.74% Conservative: 2  
Best Local Similarity: 85.85 Mismatches: 9  
Query Match: 65.88 Indels: 4  
Gaps: 1

US-09-695-369a-2\_copy\_2\_129 (1-128) x US-09-840-795-16 (1-546)

QY 1 AapcygslngluasnclutyrtrtpaspelntpdlarGcysValhrcysglmarGcys 20  
Db 81 GATTGCCAAGAAATGAGTACTGGACCAATGGGAGCGTGTCCACCCCAAGCGTGT 140  
QY 21 GTPYroglnglueuSerlysaSpysgllyrGlyglnglylaspAlaItyrCys 40  
Db 141 GGTCTGGACGGAGCTATCCAGAGATTGTGTATGAGAGGTTGAGATCCCTACCTGC 200  
QY 41 ThrAlaCysProPArgArgTyrlyrSerSerTrrpLylshlsyCysInserCys 60  
Db 201 ACAGCTGGCCCTCTCGACAGTACAAAGACGCTGGGCCACACAAATGCTAGGTTGC 260  
QY 61 lIethrcysAlaValIleasnArgValGlnlyVal-AsnCysThrAla-ThrSerAsnA 80  
Db 261 ATCACTGTGTGTCTGCATCATGTGTTCAGAGGTCACACTGCACAGCTAACCTCTNATG 320  
QY 80 lavalGysGlyaspCysleuProArgPheTyrArglyThrArg--lIegly-Glyleu 98  
Db 321 CTGTCTGGGGGATGTTTGNCCAAAGTCTTAAACCAAGACAGCCCATGGAGGCTGG 380  
QY 99 GlnaspGlnlu 102  
Db 381 CAGGACCAAGAA 392

RESULT 4  
US-09-840-795-14  
; Sequence 14, Application US/09840795  
; Patent No. US20020143147A1  
; GENERAL INFORMATION:  
; APPLICANT: Murphy, Erin E.  
; APPLICANT: Mattson, Jeanine D.  
; APPLICANT: Bates, Elizabeth Esther Mary  
; APPLICANT: Gorman, Daniel M.  
; APPLICANT: Lebecque, Serge J.E.  
; TITLE OF INVENTION: Mammalian Genes; Related Reagents  
; FILE REFERENCE: SF0818K  
; CURRENT APPLICATION NUMBER: US/09/840,795  
; CURRENT FILING DATE: 2001-04-23

PRIOR APPLICATION NUMBER: 09/351,777  
; PRIOR FILING DATE: 1999-07-12  
; NUMBER OF SEQ ID NOS: 19  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 14  
; LENGTH: 474  
; TYPE: DNA  
; ORGANISM: primate  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (78)..(473)  
; NAME/KEY: misc\_feature  
; LOCATION: (308)  
; OTHER INFORMATION: n; may be A, C, G, or T  
; NAME/KEY: misc\_feature  
; LOCATION: (315)  
; OTHER INFORMATION: n; may be A, C, G, or T  
; NAME/KEY: misc\_feature  
; LOCATION: (333)  
; OTHER INFORMATION: n; may be A, C, G, or T  
; NAME/KEY: misc\_feature  
; LOCATION: (412)  
; OTHER INFORMATION: n; may be A, C, G, or T  
; NAME/KEY: misc\_feature  
; LOCATION: (431)  
; OTHER INFORMATION: n; may be A, C, G, or T  
; NAME/KEY: misc\_feature  
; LOCATION: (436)  
; OTHER INFORMATION: n; may be A, C, G, or T  
; NAME/KEY: misc\_feature  
; LOCATION: (444)  
; OTHER INFORMATION: n; may be A, C, G, or T  
; NAME/KEY: misc\_feature  
; LOCATION: (473)  
; OTHER INFORMATION: n; may be A, C, G, or T  
US-09-840-795-14

Alignment Scores:  
Pred. No.: 8,04e-42 Length: 474  
Score: 466.50 Matches: 99  
Percent Similarity: 80.00% Conservative: 5  
Best Local Similarity: 76.13% Mismatches: 19  
Query Match: 62.79% Indels: 8  
Gaps: 3

US-09-695-369a-2\_copy\_2\_129 (1-128) x US-09-840-795-14 (1-474)

QY 1 AapcygslngluasnclutyrtrtpaspelntpdlarGcysValhrcysglmarGcys 20  
Db 81 GATTGCCAAGAAATGAGTACTGGACCAATGGGAGCGTGTCTACCTGCCAAGCGTGT 140  
QY 21 GTPYroglnglueuSerlysaSpysgllyrGlyglnglylaspAlaItyrCys 40  
Db 141 GGTCTGGACGGAGCTATCCAGAGATTGTGTATGAGAGGTTGAGATCCCTACCTGC 200  
QY 41 ThrAlaCysProPArgArgTyrlyrSerSerTrrpLylshlsyCysInserCys 60  
Db 201 ACAGCTGGCCCTCTCGACAGTACAAAGACGCTGGGCCACACAAATGCTAGGTTGC 259  
QY 61 lIethrcysAlaValIleasnArgValGlnlyVal-AsnCysThrAla-ThrSerAsnA 80  
Db 261 ATCACTGTGTGTCTGCATCATGTGTTCAGAGGTCACACTGCACAGCTAACCTCTNATG 319  
QY 80 lavalGysGlyaspCysleuProArgPheTyr--ArglyThrArgIleGly-Glyleu 98  
Db 320 TGTCTGGGGGANGTTTGNCCAAAGTCTTAAACCAAGACAGCCCATGGAGGCTGC 379  
QY 99 GlnaspGln-GlucylleProCysThrlyr--GlnThrProThrSerGlu--ValG1 116  
Db 380 CAGGACCAAGAGTATGATCCCGGACCAAGNAGACCCCACTTCTGANGTTNCAA 439  
QY 116 nCysAlaPheGlnleuSerleu 123  
; ||||| |||

```
Db 440 AGTGNCTTCCATTGAGCTT 461
RESULT 5
; Sequence 3, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; PRIOR FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: Patentln Ver. 2.0
; ID NO 3
; LENGTH: 1325
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1269)
US-09-780-532-3

Alignment Scores:
Pred. No.: 1,14e-36 Length: 1325
Score: 424.00 Matches: 68
Percent Similarity: 71.20% Conservative: 21
Best Local Similarity: 54.40% Mismatches: 36
Query Match: 57.07% Indels: 0
Gaps: 0

US-09-695-369a-2_copy_2_129 (1-128) x US-09-780-532-3 (1-1325)
QY 1 AspCysglnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 20
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 97 GACTGTAGACAGCAGAGATTTCAGAGATCGCTGGAACATGCTCCCTGCACACAGTGT 156
QY 21 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyLysAspAlaTyrCys 40
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 157 GGGCCAGCAGTGGAGTGTCTAAGAGATGTGCTTCGCTATGGGAGGATGCACAGTGT 216
QY 41 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 60
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
217 GTGACGTGCGCGGCGTGCACAGGTTCAGAGAGAGACTGGGGCTTCAGAAATGCAGACCTGT 276
QY 61 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 80
:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 277 CTGGACGTGCGCAGTGTGTGAACCGCTTCAGAGGCAATGTTCACCCACAGTGTATGCC 336
QY 81 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGlnAsp 100
:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 337 ATCTGCGGGGAGCTGCTTGCACAGATTTATATAGGAAGCGAAATGTCTCGCTTCAGAC 396
QY 101 GlnGluCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPheGln 120
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 397 ATGAGAGTGTGCTTGTGTGAGAGACCCCTCTCTCTTACGAAACGCACTGTGCCAGAG 456
QY 121 LeuSerLeuValGln 125
:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 457 GTCAACCTCGTGAAG 471

RESULT 6
US-10-114-893-120
; Sequence 120, Application US/10114893
; Publication No. US20020193367A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallee, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Bowman, Michael R.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Carlin-Duckett, McKeough
; APPLICANT: Kelleher, Kerry S.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYPEPTIDES ENCODING THEM
; FILE REFERENCE: GI 6000-10A
; CURRENT APPLICATION NUMBER: US/10/114,893
; EARLIER APPLICATION NUMBER: 09/413,232
; EARLIER FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 321
; SOFTWARE: Patentln Ver. 2.0
; SEQ ID NO 120
; LENGTH: 1502
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-114-893-120

Alignment Scores:
Pred. No.: 1.35e-36 Length: 1502
Score: 424.00 Matches: 68
Percent Similarity: 71.20% Conservative: 21
Best Local Similarity: 54.40% Mismatches: 36
Query Match: 57.07% Indels: 0
Gaps: 0

US-09-695-369a-2_copy_2_129 (1-128) x US-10-114-893-120 (1-1502)
QY 1 AspCysglnGluAsnGluTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 20
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 147 GACTGTAGACAGCAGAGATTTCAGAGATCGCTGGAACATGCTCCCTGCACACAGTGT 206
QY 21 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrGlyGlnGlyLysAspAlaTyrCys 40
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 207 GGGCCAGCAGTGGAGTGTCTAAGAGATGTGCTTCGCTATGGGAGGATGCACAGTGT 266
QY 41 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 60
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 267 GTGACGTGCGCGGCGTGCACAGGTTCAGAGAGAGACTGGGGCTTCAGAAATGCAGACCTGT 326
QY 61 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 80
:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 327 CTGGACGTGCGCAGTGTGTGAACCGCTTCAGAGGCAATGTTCACCCACAGTGTATGCC 386
QY 81 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLeuGlnAsp 100
:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 387 ATCTGCGGGGAGCTGCTTGCACAGATTTATATAGGAAGCGAAATGTCTCGCTTCAGAC 446
QY 101 GlnGluCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPheGln 120
|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 447 ATGAGAGTGTGCTTGTGTGAGAGACCCCTCTCTCTTACGAAACGCACTGTGCCAGAG 506
QY 121 LeuSerLeuValGln 125
:::|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:
Db 507 GTCAACCTCGTGAAG 521

RESULT 7
US-09-780-532-1
; Sequence 1, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
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RESULT 9
US-10-176-758-473
: Sequence 473, Application US/10176758
: Publication No. US2003000853A1
: GENERAL INFORMATION:
: APPLICANT: Baker, Kevin P.
: APPLICANT: Chen, Jian
: APPLICANT: Desnoyers, Luc
: APPLICANT: Goddard, Audrey
: APPLICANT: Godowski, Paul J.
: APPLICANT: Gurney, Austin L.
: APPLICANT: Pan, James
: APPLICANT: Smith, Victoria
: APPLICANT: Watanabe, Colin K.
: APPLICANT: Wood, William I.
: APPLICANT: Zhang, Zemin
: TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
: TITLE OF INVENTION: ACIDS ENCODING THE SAME
: FILE REFERENCE: P9430R104
: CURRENT APPLICATION NUMBER: US/10/176,758
: CURRENT FILING DATE: 2002-06-21
: Prior Application removed - See File Wrapper or Palm
: NUMBER OF SEQ. ID NOS: 612
: SEQ. ID NO. 473

```



LENGTH: 2870  
TYPE: DNA  
ORGANISM: Homo Sapien  
US-10-176-758-473

Alignment Scores:

Pred. No.:	3.18e-36	Length:	2870
Score:	424.00	Matches:	68
Percent Similarity:	71.20%	Conservative:	21
Best Local Similarity:	54.40%	Mismatches:	36
Query Match:	57.07%	Indels:	0
DB:	9	Gaps:	0

US-09-695-369a-2\_copy\_2\_129 (1-128) x US-10-176-758-473 (1-2870)

QY 1 AspCYSGIngluasnGluYrTrpAspGlnTrpGlyAlaGlyCysValThrCysGlnArgCys 20  
Db 281 GACTGTAGACAGCAGAGATTACAGGATCGCTGGAACCTGTCTCCACCAACAGTGT 340

QY 21 GlyProGlyGlnGlnLeuSerLysAspCysGlyTrpGlyGlnGlyGlnGlyGlnGlnGlnGln 40  
1 341 GGGCCAGCAGCAGGATGCTGTCTAGAGATGCTGCTGCTATGGGAGATGCAAGTGT 400

QY 41 ThrAlaCysProProArgArgTrpLysSerSerTrpGlyHisHisCysGlnSerCys 60  
Db 401 GTGAGTCCCGCTGCACAGGTTCAAGAGACAGGAGCTTCCAGAAATGCAAGCCCTGT 460

QY 61 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaHisSerAsnAla 80  
Db 461 CTGGAGCTGCGAGTGTGTAACCGCTTCAAGAGCAATGTTACGCCACCGAGTATGCC 520

QY 81 ValCysGlyAspCysLeuProArgPheTrpArgLysThrArgIleGlyLeuGlnLasp 100  
Db 521 ATGCGGGGAGACTGCTTGCAGAGATTTATGAGACGAACTGTGCGCTTTCAAGAC 580

QY 101 GlnGluCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPheGln 120  
Db 581 ATGGAGTGTGCTGCTGTGAGACCCCTCTCTCTTACAGAACCGACGTGCTCCAGCAG 640

QY 121 LeuSerLeuValGln 125  
Db 641 GTCAACCTCGTGAAG 655

RESULT 10  
US-10-052-586-473  
Sequence 473, Application US/10052586  
Patent No. US20020127584A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
APPLICANT: Zhang, Zemin  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC  
TITLE OF INVENTION: ACIDS ENCODING THE SAME  
FILE REFERENCE: P3430R1C1  
CURRENT APPLICATION NUMBER: US/10/052,586  
CURRENT FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121

PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063564  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063734  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063870  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/064103  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066120  
PRIOR FILING DATE: 1997-11-21  
PRIOR APPLICATION NUMBER: 60/066466  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/066772  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/069335  
PRIOR FILING DATE: 1997-12-11  
PRIOR APPLICATION NUMBER: 60/069425  
PRIOR FILING DATE: 1997-12-12  
PRIOR APPLICATION NUMBER: 60/069870  
PRIOR FILING DATE: 1997-12-17  
PRIOR APPLICATION NUMBER: 60/068017  
PRIOR FILING DATE: 1997-12-18  
PRIOR APPLICATION NUMBER: 60/077450  
PRIOR FILING DATE: 1998-03-10  
PRIOR APPLICATION NUMBER: 60/077632  
PRIOR FILING DATE: 1998-03-11  
PRIOR APPLICATION NUMBER: 60/077649  
PRIOR FILING DATE: 1998-03-11  
PRIOR APPLICATION NUMBER: 60/078866  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/078939  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/079664  
PRIOR FILING DATE: 1998-03-27  
PRIOR APPLICATION NUMBER: 60/079786  
PRIOR FILING DATE: 1998-03-27  
PRIOR APPLICATION NUMBER: 60/080107  
PRIOR FILING DATE: 1998-03-31  
PRIOR APPLICATION NUMBER: 60/080194  
PRIOR FILING DATE: 1998-03-31  
PRIOR APPLICATION NUMBER: 60/080327  
PRIOR FILING DATE: 1998-04-01  
PRIOR APPLICATION NUMBER: 60/080333  
PRIOR FILING DATE: 1998-04-01  
PRIOR APPLICATION NUMBER: 60/081049  
PRIOR FILING DATE: 1998-04-08  
PRIOR APPLICATION NUMBER: 60/081070  
PRIOR FILING DATE: 1998-04-08  
PRIOR APPLICATION NUMBER: 60/081195  
PRIOR FILING DATE: 1998-04-09  
PRIOR APPLICATION NUMBER: 60/081838  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/082568  
PRIOR FILING DATE: 1998-04-21  
PRIOR APPLICATION NUMBER: 60/082569  
PRIOR FILING DATE: 1998-04-21  
PRIOR APPLICATION NUMBER: 60/082704  
PRIOR FILING DATE: 1998-04-22  
PRIOR APPLICATION NUMBER: 60/082797  
PRIOR FILING DATE: 1998-04-22  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28

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1      PRIOR FILING DATE: 1998-06-10
2      PRIOR APPLICATION NUMBER: 60/088825
3
4      PRIOR FILING DATE: 1998-06-10
5      PRIOR APPLICATION NUMBER: 60/088826
6
7      PRIOR FILING DATE: 1998-06-10
8      PRIOR APPLICATION NUMBER: 60/088861
9
10     PRIOR FILING DATE: 1998-06-11
11     PRIOR APPLICATION NUMBER: 60/088863
12
13     PRIOR FILING DATE: 1998-06-11
14     PRIOR APPLICATION NUMBER: 60/088876
15
16     PRIOR FILING DATE: 1998-06-11
17     PRIOR APPLICATION NUMBER: 60/089099
18
19     PRIOR FILING DATE: 1998-06-12
20     PRIOR APPLICATION NUMBER: 60/089105
21
22     PRIOR FILING DATE: 1998-06-12
23     PRIOR APPLICATION NUMBER: 60/089512
24
25     PRIOR FILING DATE: 1998-06-16
26     PRIOR APPLICATION NUMBER: 60/089514
27
28     PRIOR FILING DATE: 1998-06-16
29     PRIOR APPLICATION NUMBER: 60/089538
30
31     PRIOR FILING DATE: 1998-06-17
32     PRIOR APPLICATION NUMBER: 60/089598
33
34     PRIOR FILING DATE: 1998-06-17
35     PRIOR APPLICATION NUMBER: 60/089655
36
37     PRIOR FILING DATE: 1998-06-17
38     PRIOR APPLICATION NUMBER: 60/089908

```

[illegible]

APPLICANT: McCarthy, Sean A.  
APPLICANT: Holtzman, Douglas A.  
APPLICANT: Gu, Wei  
APPLICANT: White, David  
APPLICANT: Pan, Yang  
TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIFE, TRASH, BDF, LRSG, AND  
TITLE OF INVENTION: STMT PROTEIN AND NUCLEIC ACID MOLECULES AND USES  
FILE REFERENCE: MNT-121CP  
CURRENT APPLICATION NUMBER: US/09/782,980  
CURRENT FILING DATE: 2001-02-13  
PRIOR APPLICATION NUMBER: PCT/US00/02125  
PRIOR FILING DATE: 2000-01-27  
PRIOR APPLICATION NUMBER: 09/448,076  
PRIOR FILING DATE: 1999-11-23  
PRIOR APPLICATION NUMBER: 09/276,400  
PRIOR FILING DATE: 1999-03-25  
PRIOR APPLICATION NUMBER: 60/117,580  
PRIOR FILING DATE: 1999-01-27  
PRIOR APPLICATION NUMBER: 09/014,195  
PRIOR FILING DATE: 1998-01-27  
PRIOR APPLICATION NUMBER: 09/014,348  
PRIOR FILING DATE: 1998-01-27  
PRIOR APPLICATION NUMBER: 09/086,892  
PRIOR FILING DATE: 1998-05-29  
PRIOR APPLICATION NUMBER: 09/296,208  
PRIOR FILING DATE: 1999-04-21  
PRIOR APPLICATION NUMBER: 09/063,950  
PRIOR FILING DATE: 1998-04-21  
PRIOR APPLICATION NUMBER: 09/561,381  
PRIOR FILING DATE: 2000-04-28  
PRIOR APPLICATION NUMBER: 09/561,810  
PRIOR FILING DATE: 2000-04-28  
PRIOR APPLICATION NUMBER: 09/087,121  
PRIOR FILING DATE: 1998-05-29  
PRIOR APPLICATION NUMBER: 09/672,721  
PRIOR FILING DATE: 2000-09-28  
PRIOR APPLICATION NUMBER: 09/049,799  
PRIOR FILING DATE: 1998-03-27  
NUMBER OF SEQ ID NOS: 176  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 25  
LENGTH: 555  
TYPE: DNA  
ORGANISM: Mus musculus  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(555)  
US-09-782-980-25  
Alignment Scores:  
Pval. No.: 2.6e-36  
Score: 416.00  
Percent Similarity: 70.40%  
Best Local Similarity: 52.80%  
Query Match: 55.99%  
Indels: 0  
Gaps: 0  
US-09-695-369a-2\_COPY\_2\_129 (1-128) x US-09-782-980-25 (1-555)  
QY 1 ASPGSGINGIUAENGUITYRTPAPSPGINTPGLYARGCYVALTHRCYSGIINARGCY 20  
DB 10 GATTTCAGGCGAGGAGATTCAAGATGCTGGAACGCTGCTCTCGCAACAGATGC 69  
QY 21 GLYPROGLYINGIUAENUSERYLSAPCYSGIYTRIGLYGULGILYASPLALATRCYS 40  
DB 70 GGACCTGGCAGTGGATTGTCACAGATGCTGCTGATGCGATGCGAGATGCAAGTGT 129  
QY 41 THRILACYSPROTHARGATRYLRYLSERSETIRPGLYHISHISILSCYSGIINERCYS 60  
DB 130 GTGCCCTGCGAGCGCGACGCTTCCAGAGACAGATGCGGTTTCCAGAGATGATGCGATGT 189  
QY 61 ILETHRCYSLALVALILEASNRGYALGILINYSVALASNCYTHRALATHSERASALA 80

DB 190 GCGAAGTGTGGCTGTGGAACCCCTTTCAGAGGCGCAACTGCTACACACAGTATGCT 249  
QY 81 VALCYSGIYASPPCYLEUPROARGPHERYTRARGYLSHARGYILEGLYLEUNLNSP 100  
DB 250 GTCTCGGGGAGACTGCTCCGAGGATTTACCGGAGACCAAACTGGTTGGTTTCAAGAC 309  
QY 101 GINGLUCYSILEPROCYSTRHYSGINTHRPOTHRSERGLVALGINSALAPHEGLN 120  
DB 310 AAGAGATGTGTGCGCTTGGGAGACCCACTCTCTCTTACAGACACACTGTACAGCAAG 369  
QY 121 LEUSERYLEUVALGILIN 125  
DB 370 GTGAACCTTGTGAAG 384  
RESULT 12  
US-09-782-980-24  
Sequence 24, Application US/09782980  
Patent No. US20020072089A1  
GENERAL INFORMATION:  
APPLICANT: Khodadoust, Mehran M.  
APPLICANT: Macbeth, Kyle J.  
APPLICANT: Busfield, Samantha J.  
APPLICANT: McCarthy, Sean A.  
APPLICANT: Holtzman, Douglas A.  
APPLICANT: Gu, Wei  
APPLICANT: White, David  
TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIFE, TRASH, BDF, LRSG, AND  
TITLE OF INVENTION: STMT PROTEIN AND NUCLEIC ACID MOLECULES AND USES  
FILE REFERENCE: MNT-121CP  
CURRENT APPLICATION NUMBER: US/09/782,980  
CURRENT FILING DATE: 2001-02-13  
PRIOR APPLICATION NUMBER: PCT/US00/02125  
PRIOR FILING DATE: 2000-01-27  
PRIOR APPLICATION NUMBER: 09/448,076  
PRIOR FILING DATE: 1999-11-23  
PRIOR APPLICATION NUMBER: 09/276,400  
PRIOR FILING DATE: 1999-03-25  
PRIOR APPLICATION NUMBER: 60/117,580  
PRIOR FILING DATE: 1999-01-27  
PRIOR APPLICATION NUMBER: 09/014,195  
PRIOR FILING DATE: 1998-01-27  
PRIOR APPLICATION NUMBER: 09/014,348  
PRIOR FILING DATE: 1998-01-27  
PRIOR APPLICATION NUMBER: 09/086,892  
PRIOR FILING DATE: 1998-05-29  
PRIOR APPLICATION NUMBER: 09/296,208  
PRIOR FILING DATE: 1999-04-21  
PRIOR APPLICATION NUMBER: 09/063,950  
PRIOR FILING DATE: 1998-04-21  
PRIOR APPLICATION NUMBER: 09/561,381  
PRIOR FILING DATE: 2000-04-28  
PRIOR APPLICATION NUMBER: 09/561,810  
PRIOR FILING DATE: 2000-04-28  
PRIOR APPLICATION NUMBER: 09/087,121  
PRIOR FILING DATE: 1998-05-29  
PRIOR APPLICATION NUMBER: 09/672,721  
PRIOR FILING DATE: 2000-09-28  
PRIOR APPLICATION NUMBER: 09/049,799  
PRIOR FILING DATE: 1998-03-27  
NUMBER OF SEQ ID NOS: 176  
SOFTWARE: PatentIn Ver. 2.0  
SEQ ID NO 24  
LENGTH: 642  
TYPE: DNA  
ORGANISM: Mus musculus  
FEATURE:  
NAME/KEY: CDS  
LOCATION: (1)..(642)  
US-09-782-980-24

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; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22

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FILE COPY

GenCore version 5.1.3  
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Run on: January 15, 2003, 01:03:20 ; Search time 176.902 Seconds  
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Title: US-09-695-369A-38  
Perfect score: 980  
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Listing first 45 summaries

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- 8: /cgn2\_6/ptodata/1/pubpna/US08\_PUBCOMB.seq:\*
- 9: /cgn2\_6/ptodata/1/pubpna/US09\_NEM\_PUB.seq:\*
- 10: /cgn2\_6/ptodata/1/pubpna/US09\_PUBCOMB.seq:\*
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- 12: /cgn2\_6/ptodata/1/pubpna/US10\_PUBCOMB.seq:\*
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- 14: /cgn2\_6/ptodata/1/pubpna/US60\_PUBCOMB.seq:\*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

# SUMMARIES

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1	936	95.5	932	10	US-09-840-795-18
2	933	98.2	905	9	US-10-119-466-11
3	495	50.5	546	10	US-09-840-795-16
4	471.5	48.1	474	10	US-09-840-795-14

5	444.5	45.4	893	10	US-09-877-156-8	Sequence 8, Appli
6	443.5	45.3	1325	9	US-09-780-532-3	Sequence 3, Appli
7	443.5	45.3	1502	9	US-10-114-893-120	Sequence 120, App
8	443.5	45.3	1660	10	US-09-780-532-1	Sequence 1, Appli
9	443.5	45.3	2870	9	US-10-174-590-473	Sequence 473, App
10	443.5	45.3	2870	9	US-10-176-758-473	Sequence 473, App
11	443.5	45.3	2870	12	US-10-052-586-473	Sequence 473, App
12	437.5	44.6	555	10	US-09-782-980-25	Sequence 25, Appli
13	437.5	44.6	642	10	US-09-782-980-24	Sequence 24, Appli
14	437.5	44.6	981	10	US-09-782-980-22	Sequence 22, Appli
15	437.5	44.6	1914	10	US-09-780-532-5	Sequence 5, Appli
16	406	41.4	363	10	US-09-782-980-29	Sequence 29, Appli
17	406	41.4	450	10	US-09-782-980-28	Sequence 28, Appli
18	406	41.4	623	10	US-09-877-156-9	Sequence 9, Appli
19	406	41.4	636	10	US-09-840-795-12	Sequence 12, Appli
20	406	41.4	655	10	US-09-782-980-26	Sequence 26, Appli
21	388	39.6	292	9	US-10-119-466-4	Sequence 4, Appli
22	142	14.5	4622	10	US-09-924-231-6	Sequence 6, Appli
23	141	14.4	831	10	US-09-934-289A-43	Sequence 43, Appli
24	141	14.4	1834	10	US-09-934-289A-41	Sequence 41, Appli
25	140.5	14.3	1290	10	US-09-057-951-3	Sequence 3, Appli
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27	140.5	14.3	1290	10	US-09-057-951-1	Sequence 1, Appli
28	140.5	14.3	2570	12	US-10-105-150-1	Sequence 1, Appli
29	140.5	14.3	2703	10	US-09-836-607-1	Sequence 1, Appli
30	139.5	14.2	1704	12	US-10-020-787-1	Sequence 1, Appli
31	139.5	14.2	1724	10	US-09-924-231-1	Sequence 1, Appli
32	139.5	14.2	1724	10	US-09-934-289A-14	Sequence 14, Appli
33	134	13.7	2313	10	US-09-934-289A-29	Sequence 29, Appli
34	133.5	13.6	1301	10	US-09-756-186-7	Sequence 7, Appli
35	132.5	13.5	1878	9	US-09-877-650-14	Sequence 14, Appli
36	132.5	13.5	1929	10	US-09-907-263-3	Sequence 3, Appli
37	132.5	13.5	705	10	US-09-934-289A-1	Sequence 1, Appli
38	132	13.5	1641	10	US-09-758-124-1	Sequence 1, Appli
39	132	13.5	2224	10	US-09-800-909-1	Sequence 1, Appli
40	132	13.5	2224	10	US-09-800-908-2	Sequence 2, Appli
41	132	13.5	3683	10	US-09-954-485A-1187	Sequence 1187, Ap
42	131	13.4	558	10	US-09-934-289A-31	Sequence 31, Appli
43	131	13.4	579	10	US-09-934-289A-3	Sequence 3, Appli
44	131	13.4	591	10	US-09-934-289A-19	Sequence 19, Appli
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## ALIGNMENTS

RESULT 1  
US-09-840-795-18  
; Sequence 18, Application US/09840795  
; Patent No. US20020143147A1  
; GENERAL INFORMATION:  
; APPLICANT: Murphy, Erin E.  
; APPLICANT: Mattson, Jeanine D.  
; APPLICANT: Bates, Elizabeth Esther Mary  
; APPLICANT: Gorman, Daniel M.  
; APPLICANT: Lebecque, Serge J.E.  
; TITLE OF INVENTION: Mammalian Genes; Related Reagents  
; FILE REFERENCE: SFO818K  
; CURRENT APPLICATION NUMBER: US/09/840,795  
; PRIOR FILING DATE: 2001-04-23  
; PRIOR APPLICATION NUMBER: 09/351,777  
; NUMBER OF SEQ ID NOS: 19  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO: 18  
; LENGTH: 932  
; TYPE: DNA  
; ORGANISM: primate  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (78)..(770)  
; NAME/KEY: misc\_feature  
; LOCATION: (782)  
; OTHER INFORMATION: n; may be A, C, G, or T

US-09-840-795-18

## Alignment Scores:

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 Score: 936.00 Matches: 173  
 Percent Similarity: 84.80% Conservative: 0  
 Best Local Similarity: 84.80% Mismatches: 0  
 Query Match: 95.51% Indels: 31  
 DB: 10 Gaps: 1

US-09-695-369a-38 (1-173) x US-09-840-795-18 (1-932)

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QY 21 CysglnProGlnGlnLeuSerLysaspCysglnTyrGlyGlyValThrcysGlnArg 40
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Db 138 TGTGTCTCTGGACAGAGCTATCCAGAGATTGTGTATGGAGAGGCTGAGATGCTTAC 197
QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTyrpGlyHisHisLysCysGlnSer 60
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L 198 TGCACAGCTGCTGCTCTCTGCGAGTACAAAGCAGCTGGGGCCACCAAAATGTCAGAGT 257
QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsn 80
    |||
Db 258 TGCATCAGCTGTGTCTGTATCATACGTGTTCAGAGGTCAAGTCACTGACGCTTCAAT 317
QY 81 AlavalCysglnYaspCysLeuProArgPheTyrArgLysThrArgIleGlyLysGln 100
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Db 318 GCTGTCTGTGGGAGCTGTGGCCAGGTTCACCGAAACACGATGGAGGCTTCCAG 377
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Db 378 GACCAAGAGTGCATCCCGTGCACAGAGCAGACCCCACTCGAGTTCATGTGCTTC 437
QY 121 GlnLeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuVal 140
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Db 438 CAGTTGAGCTTATGTGAGGCGAGTGCACCCACAGTCCCTCCAGAGGCCACACTTGT 497
QY 141 Alaleu-----GluValCysCysSerLeuArgLe 142
    |||
Db 498 GCACCTGGTGAAGCAGCTGTGTGTGTGTACCTGCTTCTGGGGCTCTTCTTCTTC 557
QY 143 -----GluValCysCysSerLeuArgLe 150
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Db 558 TACTGCAAGCAGTCTTCAACAGACATTGCCAGCGTGGAGGTTTCTCATTTGAGGCT 617
QY 150 uileLysGlnGlnArgArgAsnLeuSerSerProCysHisProAlaArgArgProValle 170
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D 618 GATDAACAGCAAGAGAGATCTCTTCCCGTCCACCCAGCAAGAGAGATGTT 677
QY 170 userProLys 173
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Db 678 GAGTCCCAAG 687

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## RESULT 2

US-10-119-466-11

; Sequence 11, Application US/10119466  
 ; Patent No. US20020168674A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Chui, Clarissa  
 ; APPLICANT: Grimaldi, J. Christopher  
 ; APPLICANT: Milton, Sean  
 ; APPLICANT: Yan, Minhong  
 ; APPLICANT: Yi, Sothy  
 ; TITLE OF INVENTION: CLONING METHOD  
 ; FILE REFERENCE: P1797  
 ; CURRENT APPLICATION NUMBER: US/10/119,466  
 ; CURRENT FILING DATE: 2002-04-09  
 ; PRIOR APPLICATION NUMBER: US/09/480,782  
 ; PRIOR FILING DATE: 2000-01-10  
 ; NUMBER OF SEQ ID NOS: 12

; SEQ ID NO 11

; LENGTH: 905

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: Homo sapiens

; LOCATION: 1-905

; OTHER INFORMATION: Sequence source: ORF position 4 - 903 bp

US-10-119-466-11

US-09-695-369a-38 (1-173) x US-10-119-466-11 (1-905)

Alignment Scores:

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 Score: 933.00 Matches: 172  
 Percent Similarity: 83.98% Conservative: 1  
 Best Local Similarity: 83.50% Mismatches: 0  
 Query Match: 95.20% Indels: 33  
 DB: 9 Gaps: 1

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Db 4 ATGGATTGCCAAGAAATAGTACTGGGACCAATGGGGAGGTGTGTACCTGCCAAGG 63
QY 21 CysglnProGlnGlnLeuSerLysaspCysglnTyrGlyGlyValThrcysGlnArg 40
    |||
Db 64 TGTGTCTCTGGACAGAGCTATCCAGAGATTGTGTATGGAGAGGCTGAGATGCTTAC 123
QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTyrpGlyHisHisLysCysGlnSer 60
    |||
Db 124 TGCACAGCTGCTGCTCTCTGCGAGTACAAAGCAGCTGGGGCCACCAAAATGTCAGAGT 183
QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsn 80
    |||
Db 184 TGCATCAGCTGTGTCTGTATCATACGTGTTCAGAGGTCAAGTCACTGACGCTTCAAT 243
QY 81 AlavalCysglnYaspCysLeuProArgPheTyrArgLysThrArgIleGlyLysGln 100
    |||
Db 244 GCTGTCTGTGGGAGCTGTGGCCAGGTTCACCGAAACACGATGGAGGCTTCCAG 303
QY 101 AspGlnGlnCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPhe 120
    |||
Db 304 GACCAAGAGTGCATCCCGTGCACAGAGCAGACCCCACTCTGAGTTCATGTGCTTC 363
QY 121 GlnLeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuVal 140
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Db 364 CAGTTGAGCTTATGTGAGGCGAGATGCACCCACAGTCCCTCCAGAGGCCACACTTGT 423
QY 141 Alaleu-----GluValCysCysSerLeuArgLe 142
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Db 424 GCACCTGGTGAAGCAGCTGTGTGTGTGTACCTGCTTCTGGGGCTCTTCTTCTTC 483
QY 143 -----GluValCysCysSerLeuArgLe 148
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## RESULT 3

US-09-840-795-16

; Sequence 16, Application US/09840795  
 ; Patent No. US20020143147A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Murphy, Erin E.  
 ; APPLICANT: Mattson, Jeanine D.  
 ; APPLICANT: Bates, Elizabeth Esther Mary  
 ; APPLICANT: Gorman, Daniel M.

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APPLICANT: Lebecque, Serge J.E.
FILE OF INVENTION: Mammalian Genes; Related Reagents
FILE REFERENCE: SF0818K
CURRENT APPLICATION NUMBER: US/09/840,795
PRIOR APPLICATION NUMBER: 09/351,777
PRIOR FILING DATE: 1999-07-12
NUMBER OF SEQ ID NOS: 19
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 16
LENGTH: 546
TYPE: DNA
ORGANISM: primate
FEATURE:
NAME/KEY: CDS
LOCATION: (78)..(308)
NAME/KEY: misc_feature
LOCATION: (317)
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NAME/KEY: misc_feature
LOCATION: (468)
OTHER INFORMATION: n; may be A, C, G, or T
NAME/KEY: misc_feature
LOCATION: (483)
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NAME/KEY: misc_feature
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OTHER INFORMATION: n; may be A, C, G, or T
NAME/KEY: misc_feature
LOCATION: (541)
OTHER INFORMATION: n; may be A, C, G, or T
US-09-840-795-16

Alignment Scores:
Pred. No.: 1,56e-43 Length: 546
Score: 495.00 Matches: 96
Percent Similarity: 70.92% Conservative: 4
Best Local Similarity: 68.09% Mismatches: 31
Query Match: 50.51% Indels: 10
DB: 10 Gaps: 3
US-09-695-369a-38 (1-173) x US-09-840-795-16 (1-546)
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DB 78 ATGATGTCACAAAGAAATAGATGACGACCAATGGAGGAGGAGGTCTACCTGCCAAGCG 137
OY 21 CysGlyProGlyGlnGlnuSerLysaspCysGlyTyrcIyGlnGlyValrAspAlatyr 40

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DB 138 TGTGTCCTGAGACAGAGCTATCCAGAGATTGTGTATGAGAGAGGTGAGATGCCCTAC 197
OY 41 CysThrAlaCysProProArGTrpLysSerSerTrpGlyHisHisLysCysGlnser 60
DB 198 TGCACAGCCTGCTCTCTCCGAGSTGCAAAAGAGAGCTGGGGCCACCAATGTCTAGAGT 257
OY 61 CysIleThrCysAlaValIleAsnArgValGlnLysVal-AsnCysThrAla-ThrSerA 80
DB 258 TGCATACCTGTGCTGCTATCAATCGTGTCAGAAAGTCCAACTGACAGCTAACCTCTCN 317
OY 80 snalValCysGlyAspCysIeuProArGpHeTyArGlyThr-----ArgI 96
DB 318 ATGCTGTGTGTGGGATGTGTGNCCAGTCTNACGAAAGACAGCCATGGGAAGC 377
OY 96 IecllyGlyLeuGlnAspGlnCysIleProCysThrLysGlnThrPro-----Thrs 114
DB 378 TGGCAGGA-----CCAGAAATGGCCNCTCCGTGGCAGAAAGCCAGACCCCAACNNCT 431
OY 114 erclVuValGlnCysAlaPheGlnIeuSerIeuValGluAlaAspAlaProThrValPro 133
DB 432 GNAAGTTCACAAATGTCGCTTNCATTGGAAGCTTANTGGAGGACAGATGCAACCA 490

RESULT 4
US-09-840-795-14
Sequence 14, Application US/09840795
Patent No. US20020143147A1
GENERAL INFORMATION:
APPLICANT: Murphy, Erin E.
APPLICANT: Mattson, Jeanine D.
APPLICANT: Bates, Elizabeth Esther Mary
APPLICANT: Gorman, Daniel M.
APPLICANT: Lebecque, Serge J.E.
TITLE OF INVENTION: Mammalian Genes; Related Reagents
FILE REFERENCE: SF0818K
CURRENT APPLICATION NUMBER: US/09/840,795
PRIOR FILING DATE: 2001-04-23
PRIOR APPLICATION NUMBER: 09/351,777
PRIOR FILING DATE: 1999-07-12
NUMBER OF SEQ ID NOS: 19
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 14
LENGTH: 474
TYPE: DNA
ORGANISM: primate
FEATURE:
NAME/KEY: CDS
LOCATION: (78)..(473)
NAME/KEY: misc_feature
LOCATION: (308)
OTHER INFORMATION: n; may be A, C, G, or T
NAME/KEY: misc_feature
LOCATION: (315)
OTHER INFORMATION: n; may be A, C, G, or T
NAME/KEY: misc_feature
LOCATION: (333)
OTHER INFORMATION: n; may be A, C, G, or T
NAME/KEY: misc_feature
LOCATION: (412)
OTHER INFORMATION: n; may be A, C, G, or T
NAME/KEY: misc_feature
LOCATION: (431)
OTHER INFORMATION: n; may be A, C, G, or T
NAME/KEY: misc_feature
LOCATION: (444)
OTHER INFORMATION: n; may be A, C, G, or T
NAME/KEY: misc_feature
LOCATION: (473)
OTHER INFORMATION: n; may be A, C, G, or T
US-09-840-795-14

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 Percent Similarity: 80.15% Conservative: 5  
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 Query Match: 48.11% Indels: 8  
 DB: 10 Gaps: 3

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 QY 21 CysGlyProGlyGlnGlnLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyr 40  
 Db TGTGGTCTGGACAGAGACTTCCAGGATGTGTGTGTGAGAGGGGTGAGATGCTTAC 197  
 QY 41 CysThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisLysCysGlnSer 60  
 Db TGGACAGCGCTGCCCTCTCCGAG-TACAAAAGCAGCTGGGCGCCACCAATGTCAAGT 256  
 QY 61 CysIleThrCysAlaValIleAsnArgValGlnLysVal-AsnCysThrAlaThrSerAs 80  
 Db TGCATCACCCTGTCTGTATCAATCGTTCAGAGGTTCAACTGCACAGTACCTCTNA 316  
 QY 80 nAlaValCysGlyAspCys-LeuProArgPheTyr-ArgLysThrArgIleGly-Gly 98  
 Db TCTGTCTGTGGGGGANGTGTTCGCCAAGTTTCTTACCGAAGACAGCCGCTTGAAGGC 376  
 QY 99 LeuGlnAspGln-GluCysIleProCysThrLys---GlnThrProThrSerGlu--Va 116  
 Db TGGCAGGACCAAGATGGCATCCCTGGCACAAGAACAGACCCCAATCTTGANGTTN 436  
 QY 116 GluCysAlaPheGlnLeuSerLeu 124  
 Db 437 CAAAGTGNCCTTCCATTTGAGGCTT 461

RESULT 5

US-09-877-156-8  
 ; Sequence 8, Application US/09877156  
 ; Patent No. US20020055625A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Catheline Tribouley  
 ; TITLE OF INVENTION: NEW MEMBERS OF TNF AND TNFR FAMILIES  
 ; FILE REFERENCE: 1408.003/200130.439C1  
 ; CURRENT FILING DATE: 2001-06-08  
 ; PRIOR APPLICATION NUMBER: US 09/286,529  
 ; FOR FILING DATE: 1998-04-05  
 ; ABER OF SEQ ID NOS: 25  
 ; SOFTWARE: FastSeq for Windows Version 3.0  
 ; SEQ ID NO 8  
 ; LENGTH: 893  
 ; TYPE: DNA  
 ; ORGANISM: human  
 US-09-877-156-8

Alignment Scores:

Pred. No.: 6.14e-38 Length: 893  
 Score: 444.50 Matches: 77  
 Percent Similarity: 60.11% Conservative: 30  
 Best Local Similarity: 43.26% Mismatches: 56  
 Query Match: 45.36% Indels: 15  
 DB: 10 Gaps: 2

US-09-695-369a-38 (1-173) x US-09-877-156-8 (1-893)

QY 2 AspCysGlnGlnAsnGlnTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21  
 Db 151 GATTCAGAGGACGAGAAATTCAGAGATCGATCGAAGATGTCTCTCTCGAACAAGTGC 210  
 QY 22 GlyProGlyGlnGlnLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 41

||||| ||||||| ||||||| ||||||| ||| ||||| |||  
 Db 211 GGACCTGGCATGGAGTGTGCCAAGGATGTGGCTGTGCGTATGGGAGAGACGACATGT 270  
 QY 42 ThrAlaCysProProArgArgTyrLysSerSerTrpGlyHisLysCysGlnSerCys 61  
 Db 271 GTGGCTTGCAGGCGCCACCGCTTCAAGAGAGACTGGGGTTTCCAAAGTGAACCATGT 330  
 QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81  
 Db 331 GCGAGCTGTGCGCTGTGACCGCTTCCAGAGGCGCACTGTGTACACACAGATGTGT 390  
 QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyGlyLeuGlnAsp 101  
 Db 391 GTCTGGGGAGACTGCTCCAGATTTTACCGAAGACCAACTGTGTGTTCACAGC 450  
 QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121  
 Db 451 ATGGAATGTGTCCCTCTGGGAGACCACTCCCTCTACGAAACACACTGTACACAGCAG 510  
 QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141  
 Db 511 GTGACCTGTGTAAGATCTCTCCACCGCTTCCAGCCTCGGAGC--ACGGGGTGGCT 567  
 QY 142 LeuGluValCysCysSerLeuArgLeuIle----- 151  
 Db 568 GCCGTATGTGACAGTGTCTGGCCACAGGTGCTGCGCTGTATCTGTGTGTGTGT 627  
 QY 152 -----LysGlnGlnArgArgAsnLeuSerSerProCysHisProAla 165  
 Db 628 ACTGCAAGAGGAGTTCATGTGAGAGAAACCAACCACTGTACCTCCATCTCT 681

RESULT 6

US-09-780-532-3  
 ; Sequence 3, Application US/09780532  
 ; Patent No. US20020068696A1  
 ; GENERAL INFORMATION:  
 ; APPLICANT: Wood, Clive  
 ; APPLICANT: Chaudhary, Divya  
 ; APPLICANT: Long, Andrew  
 ; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO  
 ; FILE REFERENCE: GNN-012CP  
 ; CURRENT APPLICATION NUMBER: US/09/780,532  
 ; CURRENT FILING DATE: 2001-02-09  
 ; PRIOR APPLICATION NUMBER: 60/181,922  
 ; PRIOR FILING DATE: 2000-02-11  
 ; PRIOR APPLICATION NUMBER: 60/182,148  
 ; PRIOR FILING DATE: 2000-02-14  
 ; NUMBER OF SEQ ID NOS: 10  
 ; SOFTWARE: PatentIn Ver. 2.0  
 ; SEQ ID NO 3  
 ; LENGTH: 1325  
 ; TYPE: DNA  
 ; ORGANISM: Homo sapiens  
 ; FEATURE:  
 ; NAME/KEY: CDS  
 ; LOCATION: (1)..(1269)  
 US-09-780-532-3

Alignment Scores:

Pred. No.: 1.34e-37 Length: 1325  
 Score: 443.50 Matches: 73  
 Percent Similarity: 67.33% Conservative: 28  
 Best Local Similarity: 48.67% Mismatches: 48  
 Query Match: 45.26% Indels: 1  
 DB: 10 Gaps: 1

US-09-695-369a-38 (1-173) x US-09-780-532-3 (1-1325)

QY 2 AspCysGlnGlnAsnGlnTyrTrpAspGlnTrpGlyArgCysValThrCysGlnArgCys 21  
 Db 97 GACTGTAGACAGAGAAATTCAGAGAGGAGTGTGGAACATGTCTCTCGAACAAGTGT 156  
 QY 22 GlyProGlyGlnGlnLeuSerLysAspCysGlyTyrGlyGlnGlyGlyAspAlaTyrCys 41

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|||||
Db 157 GGGCCAGGAGTGTCTTAAGGATGTGCTTGGGAGAGATGACAGTGT 216
QY 42 ThrAlaCysProProArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 217 GTGACGTGCGGCTGCACAGGTTCAGAGAGACTGGGCTTCCAGAAATGCAAGCCCTGT 276
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 277 CTGGACTGGCAGTGTGTACCGCTTTCAGAAAGCAAAATGTTCAGCCACCATGATGCC 336
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLysLeuGlnAsp 101
Db 337 ATCTGGGGGAGACTGCTTCCAGATTTTANAGAGAGCAAACTGTTCGCTTTCAGAGC 396
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPheGln 121
Db 397 ATGGAGTGTGTCTTGTGGAGACCTCTCCCTTACAGCACGCACTGTGGCAGCAG 456
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
Db 457 GTACACCTGTGTAAAGATGCGCTCCAGCGCTCCAGCCAGGAGACGCGCTGCTGCC 516
QY 142 LeuGlnValCysCysSerLeuArgLeuIle 151
Db 517 GTT---ATCTGCAGCGCTGTGGCCACCGTC 543

RESULT 7
US-10-114-893-120
; Sequence 120, Application US/10114893
; Publication No. US20020193567A1
; GENERAL INFORMATION:
; APPLICANT: Jacobs, Kenneth
; APPLICANT: McCoy, John M.
; APPLICANT: Lavallee, Edward R.
; APPLICANT: Collins-Racie, Lisa A.
; APPLICANT: Evans, Cheryl
; APPLICANT: Merberg, David
; APPLICANT: Treacy, Maurice
; APPLICANT: Bowman, Michael R.
; APPLICANT: Spaulding, Vikki
; APPLICANT: Carlin-Duckett, McKeough
; APPLICANT: Kelleher, Kerry S.
; APPLICANT: Genetics Institute, Inc.
; TITLE OF INVENTION: SECRETED PROTEINS AND POLYNUCLEOTIDES ENCODING THEM
; FILE REFERENCE: GI 6000-10A
; PRESENT APPLICATION NUMBER: US/10/114,893
; EARLIER FILING DATE: 2002-04-02
; EARLIER APPLICATION NUMBER: 09/413,232
; EARLIER FILING DATE: 1999-10-06
; NUMBER OF SEQ ID NOS: 321
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 120
; LENGTH: 1502
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-114-893-120

Alignment Scores:
Pred. No.: 1.6e-37 Length: 1502
Score: 443.50 Matches: 73
Percent Similarity: 67.33% Conservative: 28
Best Local Similarity: 48.67% Mismatches: 48
Query Match: 45.26% Indels: 1
DB: 9 Gaps: 1

US-09-695-369a-38 (1-173) x US-10-114-893-120 (1-1502)
QY 2 AspCysGlnGlnAsnGlnLysTyrTrpAspGlnTrpGlyArgCysValIleThrCysGlnArgCys 21
Db 147 GACTGTGACAGCAGCAAGAAATTCAGGAGATCGGTCTGGAAGTGTCTCCCTGCAACCAAGTGT 206
QY 22 GlnProGlnGlnLeuSerLysAspCysGlyTyrGlnGlnGlyLysAspAlaIleTyrCys 41
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|||||
Db 207 GGGCCAGGAGTGTCTTAAGGATGTGCTTGGGAGAGATGACAGTGT 266
QY 42 ThrAlaCysProProArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
Db 267 GTGACGTGCGGCTGCACAGGTTCAGAGAGACTGGGCTTCCAGAAATGCAAGCCCTGT 326
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 327 CTGGACTGGCAGTGTGTACCGCTTTCAGAAAGCAAAATGTTCAGCCACCATGATGCC 386
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgIleGlyLysLeuGlnAsp 101
Db 387 ATCTGGGGGAGACTGCTTCCAGATTTTANAGAGAGCAAACTGTTCGCTTTCAGAGC 446
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaPheGln 121
Db 447 ATGGAGTGTGTCTTGTGGAGACCTCTCCCTTACAGCACGCACTGTGGCAGCAG 506
QY 122 LeuSerLeuValGlnAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141
Db 507 GTACACCTGTGTAAAGATGCGCTCCAGCGCTCCAGCCAGGAGACGCGCTGCTGCC 566
QY 142 LeuGlnValCysCysSerLeuArgLeuIle 151
Db 567 GTT---ATCTGCAGCGCTGTGGCCACCGTC 593

RESULT 8
US-09-780-532-1
; Sequence 1, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Chaubhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 1
; LENGTH: 1660
; TYPE: DNA
; ORGANISM: Homo sapiens
; NAME/KEY: CDS
; LOCATION: (1)..(1251)
US-09-780-532-1

Alignment Scores:
Pred. No.: 1.83e-37 Length: 1660
Score: 443.50 Matches: 73
Percent Similarity: 67.33% Conservative: 28
Best Local Similarity: 48.67% Mismatches: 48
Query Match: 45.26% Indels: 1
DB: 10 Gaps: 1

US-09-695-369a-38 (1-173) x US-09-780-532-1 (1-1660)
QY 2 AspCysGlnGlnAsnGlnLysTyrTrpAspGlnTrpGlyArgCysValIleThrCysGlnArgCys 21
Db 97 GACTGTGACAGCAGCAAGAAATTCAGGAGATCGGTCTGGAAGTGTCTCCCTGCAACCAAGTGT 156
QY 22 GlnProGlnGlnLeuSerLysAspCysGlyTyrGlnGlnGlyLysAspAlaIleTyrCys 41
Db 157 GGGCCAGGAGTGTCTTAAGGATGTGCTTGGGAGAGATGACAGTGT 216
QY 42 ThrAlaCysProProArgTyrLysSerSerTrpGlyHisHisLysCysGlnSerCys 61
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Db 217 GTGACGTGCGCGCTGCACAGGTTCACAGAGAGACTGGGGCTTCCACAAATGCAACCCCTGT 276
QY 62 ILehrCysAlaValIleasnArgValGlnIlyValAsnCysThrAlaThrSerAsnAla 81
Db 277 CTGGACTGCGCAGTGGTGAACCGCTTTCACAGAGCAAAATGTTACGCCACACAGTAGAGCC 336
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgIysThrArgIleGlyIleGlnAsp 101
Db 337 ATCTGCGGGAGACTGCTTGCAGAGATTTATAGAAACGAAACTGTGGCTTCCAGAC 396
QY 102 GlnGlnCysIleProCysThrIlyGlnThrProThrSerGlnValGlnCysAlaPheGln 121
Db 397 ATGAGAGTGTGCTCTGTGGAGACCCCTCCCTCCTTACGAACCGCACTGTGGCAGCAG 456
QY 122 LeuSerIleuValGlnAlaAspAlaProThrValAlProProGlnGlnAlaThrIleuValAla 141
Db 457 GTCAACCTCGTGAAGATCGCTCCACGCGCTCCAGCCACAGGGACAGCGCGCTGGCC 516
QY 142 LeuGlnValCysCysSerLeuArgLeuIle 151
D 517 GTT---ATCTGCAAGCGCTCTGGCCACCGTC 543

RESULT 9
US-10-174-590-473
; Sequence 473, Application US/10174590
; Publication No. US2003008352A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C42
; CURRENT APPLICATION NUMBER: US/10/174,590
; CURRENT FILING DATE: 2002-06-18
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
D -174-590-473

Alignment Scores:
Pred. No.: 3,89e-37 Length: 2870
Score: 443.50 Matches: 73
Percent Similarity: 67.33% Conservative: 28
Best Local Similarity: 48.67% Mismatches: 48
Query Match: 45.26% Indels: 1
Gaps: 1

US-09-695-369a-38 (1-173) x US-10-174-590-473 (1-2870)
QY 2 AspCysGlnGlnuAnGlnuYrTrpAspGlnTrpGlyArgCysValIthrcysGlnArgCys 21
Db 281 GACTGTAGACGACGAAATTCAGGATCGCTGGAACGTGTCTCCCTGCACACAGGT 340
QY 22 GlyProGlnGlnIleuSerIlyAspCysGlyTyrGlnGlnIlyGlnIlyAspAlaTyrCys 41
Db 341 GGGCCAGGCAATGAGTGTCTAAGAAATGTGGCTTCGCTATAGGGAGAGATCCACAGTGT 400
QY 42 ThrIaCysProProArgArgTyrIlySerSerTrpGlyIshIshIlyCysGlnSerCys 61
Db 401 GTGACGTGCGCGCTGCACAGGTTCACAGAGAGACTGGGGCTTCCAGAAATGCAAGCCCTGT 460
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QY 62 ILehrCysAlaValIleasnArgValGlnIlyValAsnCysThrAlaThrSerAsnAla 81
Db 461 CTGGACTGCGCAGTGGTGAACCGCTTTCACAGAGCAAAATGTTACGCCACACAGTAGAGCC 520
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgIysThrArgIleGlyIleGlnAsp 101
Db 521 ATCTGCGGGAGACTGCTTGCAGAGATTTATAGAAACGAAACTGTGGCTTCCAGAC 580
QY 102 GlnGlnCysIleProCysThrIlyGlnThrProThrSerGlnValGlnCysAlaPheGln 121
Db 581 ATGAGAGTGTGCTCTGTGGAGACCCCTCCCTCCTTACGAACCGCACTGTGGCAGCAG 640
QY 122 LeuSerIleuValGlnAlaAspAlaProThrValAlProProGlnGlnAlaThrIleuValAla 141
Db 641 GTCAACCTCGTGAAGATCGCTCCACGCGCTCCAGCCACAGGGACAGCGCGCTGGCC 700
QY 142 LeuGlnValCysCysSerLeuArgLeuIle 151
D 701 GTT---ATCTGCAAGCGCTCTGGCCACCGTC 727

RESULT 10
US-10-176-758-473
; Sequence 473, Application US/10176758
; Publication No. US2003008353A1
; GENERAL INFORMATION:
; APPLICANT: Baker, Kevin P.
; APPLICANT: Chen, Jian
; APPLICANT: Desnoyers, Luc
; APPLICANT: Goddard, Audrey
; APPLICANT: Godowski, Paul J.
; APPLICANT: Gurney, Austin L.
; APPLICANT: Pan, James
; APPLICANT: Smith, Victoria
; APPLICANT: Watanabe, Colin K.
; APPLICANT: Wood, William I.
; APPLICANT: Zhang, Zemin
; TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NUCLEIC
; FILE REFERENCE: P3430R1C104
; CURRENT APPLICATION NUMBER: US/10/176,758
; CURRENT FILING DATE: 2002-06-21
; Prior application removed - See File Wrapper or Palm
; NUMBER OF SEQ ID NOS: 612
; SEQ ID NO 473
; LENGTH: 2870
; TYPE: DNA
; ORGANISM: Homo Sapien
US-10-176-758-473

Alignment Scores:
Pred. No.: 3,89e-37 Length: 2870
Score: 443.50 Matches: 73
Percent Similarity: 67.33% Conservative: 28
Best Local Similarity: 48.67% Mismatches: 48
Query Match: 45.26% Indels: 1
Gaps: 1

US-09-695-369a-38 (1-173) x US-10-176-758-473 (1-2870)
QY 2 AspCysGlnGlnuAnGlnuYrTrpAspGlnTrpGlyArgCysValIthrcysGlnArgCys 21
Db 281 GACTGTAGACGACGAAATTCAGGATCGCTGGAACGTGTCTCCCTGCACACAGGT 340
QY 22 GlyProGlnGlnIleuSerIlyAspCysGlyTyrGlnGlnIlyGlnIlyAspAlaTyrCys 41
Db 341 GGGCCAGGCAATGAGTGTCTAAGAAATGTGGCTTCGCTATAGGGAGAGATCCACAGTGT 400
QY 42 ThrIaCysProProArgArgTyrIlySerSerTrpGlyIshIshIlyCysGlnSerCys 61
Db 401 GTGACGTGCGCGCTGCACAGGTTCACAGAGAGACTGGGGCTTCCAGAAATGCAAGCCCTGT 460
QY 62 ILehrCysAlaValIleasnArgValGlnIlyValAsnCysThrAlaThrSerAsnAla 81
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DB 461 CTGACGCGCCAGTGGTGAACCGCTTTCAGAGCGCAATGTTTCACGACCGAGTGGCC 520  
QY 82 ValysglYspcySleuProarphetyrlySthrglbeJlyleuGlasP 101  
DB 521 ATGCGGGGAGCTGCTTGCGAGATTATGGAAGACAAATGCGCTTTCAGAC 560  
QY 102 GluslucYsileProcYsthrlySlnthProthsergluValGlnCysAlapheln 121  
DB 581 ATGAGAGTGTGCTTGCGAGACCGCTTCCTTCAGAACCGACTGTGCCAGAC 640  
QY 122 leuSerleuValGlnAlaAspAlaProthryValProProGlnGlnAlaThrleuValAla 141  
DB 641 GTCAACCTCGTAGATCGCGTCCACGCGCTCCAGCCAGGAGACGCGCTGCGCC 700  
QY 142 leuGlnValCysCysSerleuArgleuile 151  
DB 701 GTT--ATGCGAGCGCTGCGCCACCGTC 727

US-10-052-586-473  
Sequence 473: Application US/10052586  
Patent No. US20020127584A1  
GENERAL INFORMATION:  
APPLICANT: Baker, Kevin P.  
APPLICANT: Chen, Jian  
APPLICANT: Desnoyers, Luc  
APPLICANT: Goddard, Audrey  
APPLICANT: Godowski, Paul J.  
APPLICANT: Gurney, Austin L.  
APPLICANT: Pan, James  
APPLICANT: Smith, Victoria  
APPLICANT: Watanabe, Colin K.  
APPLICANT: Wood, William I.  
TITLE OF INVENTION: SECRETED AND TRANSMEMBRANE POLYPEPTIDES AND NOCIEIC  
FILE REFERENCE: P3430R1C1  
CURRENT APPLICATION NUMBER: US/10/052,586  
CURRENT FILING DATE: 2002-01-15  
PRIOR APPLICATION NUMBER: 60/059263  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/059266  
PRIOR FILING DATE: 1997-09-18  
PRIOR APPLICATION NUMBER: 60/062250  
PRIOR FILING DATE: 1997-10-17  
PRIOR APPLICATION NUMBER: 60/063120  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063121  
PRIOR FILING DATE: 1997-10-24  
PRIOR APPLICATION NUMBER: 60/063486  
PRIOR FILING DATE: 1997-10-21  
PRIOR APPLICATION NUMBER: 60/063540  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063541  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063544  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063564  
PRIOR FILING DATE: 1997-10-28  
PRIOR APPLICATION NUMBER: 60/063724  
PRIOR FILING DATE: 1997-10-29  
PRIOR APPLICATION NUMBER: 60/063870  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/064103  
PRIOR FILING DATE: 1997-10-31  
PRIOR APPLICATION NUMBER: 60/065311  
PRIOR FILING DATE: 1997-11-13  
PRIOR APPLICATION NUMBER: 60/066120  
PRIOR FILING DATE: 1997-11-21  
PRIOR APPLICATION NUMBER: 60/066466  
PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/066772

PRIOR FILING DATE: 1997-11-24  
PRIOR APPLICATION NUMBER: 60/069335  
PRIOR FILING DATE: 1997-12-11  
PRIOR APPLICATION NUMBER: 60/069425  
PRIOR FILING DATE: 1997-12-12  
PRIOR APPLICATION NUMBER: 60/069870  
PRIOR FILING DATE: 1997-12-17  
PRIOR APPLICATION NUMBER: 60/068017  
PRIOR FILING DATE: 1997-12-18  
PRIOR APPLICATION NUMBER: 60/077450  
PRIOR FILING DATE: 1998-03-10  
PRIOR APPLICATION NUMBER: 60/077632  
PRIOR FILING DATE: 1998-03-11  
PRIOR APPLICATION NUMBER: 60/077649  
PRIOR FILING DATE: 1998-03-11  
PRIOR APPLICATION NUMBER: 60/078886  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/078939  
PRIOR FILING DATE: 1998-03-20  
PRIOR APPLICATION NUMBER: 60/079664  
PRIOR FILING DATE: 1998-03-27  
PRIOR APPLICATION NUMBER: 60/079786  
PRIOR FILING DATE: 1998-03-27  
PRIOR APPLICATION NUMBER: 60/080107  
PRIOR FILING DATE: 1998-03-31  
PRIOR APPLICATION NUMBER: 60/080194  
PRIOR FILING DATE: 1998-03-31  
PRIOR APPLICATION NUMBER: 60/080327  
PRIOR FILING DATE: 1998-04-01  
PRIOR APPLICATION NUMBER: 60/080333  
PRIOR FILING DATE: 1998-04-01  
PRIOR APPLICATION NUMBER: 60/081049  
PRIOR FILING DATE: 1998-04-08  
PRIOR APPLICATION NUMBER: 60/081070  
PRIOR FILING DATE: 1998-04-08  
PRIOR APPLICATION NUMBER: 60/081195  
PRIOR FILING DATE: 1998-04-09  
PRIOR APPLICATION NUMBER: 60/081838  
PRIOR FILING DATE: 1998-04-15  
PRIOR APPLICATION NUMBER: 60/082566  
PRIOR FILING DATE: 1998-04-21  
PRIOR APPLICATION NUMBER: 60/082569  
PRIOR FILING DATE: 1998-04-21  
PRIOR APPLICATION NUMBER: 60/082704  
PRIOR FILING DATE: 1998-04-22  
PRIOR APPLICATION NUMBER: 60/082797  
PRIOR FILING DATE: 1998-04-22  
PRIOR APPLICATION NUMBER: 60/083322  
PRIOR FILING DATE: 1998-04-28  
PRIOR APPLICATION NUMBER: 60/083495  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/083496  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/083499  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/083559  
PRIOR FILING DATE: 1998-04-29  
PRIOR APPLICATION NUMBER: 60/084366  
PRIOR FILING DATE: 1998-05-05  
PRIOR APPLICATION NUMBER: 60/084414  
PRIOR FILING DATE: 1998-05-06  
PRIOR APPLICATION NUMBER: 60/084639  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084640  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/084643  
PRIOR FILING DATE: 1998-05-07  
PRIOR APPLICATION NUMBER: 60/085573  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085579  
PRIOR FILING DATE: 1998-05-15  
PRIOR APPLICATION NUMBER: 60/085580  
PRIOR FILING DATE: 1998-05-15

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; PRIOR APPLICATION NUMBER: 60/08582
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/085700
; PRIOR FILING DATE: 1998-05-15
; PRIOR APPLICATION NUMBER: 60/086023
; PRIOR FILING DATE: 1998-05-18
; PRIOR APPLICATION NUMBER: 60/086392
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/086486
; PRIOR FILING DATE: 1998-05-22
; PRIOR APPLICATION NUMBER: 60/087098
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087208
; PRIOR FILING DATE: 1998-05-28
; PRIOR APPLICATION NUMBER: 60/087609
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087759
; PRIOR FILING DATE: 1998-06-02
; PRIOR APPLICATION NUMBER: 60/087827
; PRIOR FILING DATE: 1998-06-03
; PRIOR APPLICATION NUMBER: 60/088025
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088028
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088029
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088033
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088167
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088202
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088212
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088217
; PRIOR FILING DATE: 1998-06-05
; PRIOR APPLICATION NUMBER: 60/088326
; PRIOR FILING DATE: 1998-06-04
; PRIOR APPLICATION NUMBER: 60/088655
; PRIOR FILING DATE: 1998-06-09
; PRIOR APPLICATION NUMBER: 60/088722
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088738
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088740
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088811
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088824
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088825
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088826
; PRIOR FILING DATE: 1998-06-10
; PRIOR APPLICATION NUMBER: 60/088861
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088863
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/088876
; PRIOR FILING DATE: 1998-06-11
; PRIOR APPLICATION NUMBER: 60/089090
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089105
; PRIOR FILING DATE: 1998-06-12
; PRIOR APPLICATION NUMBER: 60/089512
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089514
; PRIOR FILING DATE: 1998-06-16
; PRIOR APPLICATION NUMBER: 60/089538
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089558
; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089653

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; PRIOR FILING DATE: 1998-06-17
; PRIOR APPLICATION NUMBER: 60/089908

Alignment Scores:
Pred. No.: 3,89e-37
Score: 443.50
Percent Similarity: 67.33%
Best Local Similarity: 48.67%
Query Match: 45,268
DB: 12
Gaps: 1

US-09-695-369a-38 (1-173) x US-10-052-586-473 (1-2870)

QY 2 Apycsglnclnslnglntyrtrpaspolnttrpalyrgcysvalthrcyslnarqys 21
DB 281 GACTGTAAACAGCAAGAAATTCAGGATGCTGTGAACATGCTTCCCTCCACCAAGT 340

QY 22 Glyprvglynglnlntserlyaspqsltyrslglnlglnglylaspalatyrqys 41
DB 341 GGGCCAGCATGAGATTGCTCTAAGAAATGTGGCTTCGGCTATGGAGGATGCACAGTGT 400

QY 42 ThrAlAcysProbrArArArTyrlsSerSerTrpPolYHisHisCysGlnSerCys 61
DB 401 GTGACGTGGCCGCTGCACAGCTTCACAGAGAGACTGGGGCTTCCAGAAATGCAGGCCCTGT 460

QY 62 IlethrcysAlaValIleasnArYValGlnlyValAsnCysThralAthSerAsnAla 81
DB 461 CTGAGCTGCCAGCTGTGAGACCGCTTCAGAAAGCAAAATGTTCAGCCACCAAGATGATGCC 520

QY 82 ValcysglvAspCysleuProArPhetYrArqlySthrArgTlleGlyLeuGlnAsp 101
DB 521 ATCTGCGGGGACTGCTTGCACAGATTTATRAGAAAGCAAACTGTGGCTTTCAGAC 580

QY 102 GlnlucysIleProCysThrlysglnThrProthSerGlnValGlnCysAlaPheGln 121
DB 581 ATGGAGTGTGGCTGTGGAGACCCCTCCCTCTTACGAACCGGACGTGGCCAGAG 640

QY 122 LeuSerleuValGlnAlaAspAlaProThValPProGlnGlnAlaThleuValAla 141
DB 641 GTCAACCTCGTGAAGATCCGCTCCAGGCCCTCCAGGCCAGGAGACAGCGCTGTGGCC 700

QY 142 LeuGlnValCysCysSerleuArgleuIle 151
DB 701 GTT---ATCTGCAGCGCTGTGGCCACCGTCT 727

RESULT 12
US-09-782-980-25
; Sequence 25, Application US/09782980
; Patent No. US20020072089A1
; GENERAL INFORMATION:
; APPLICANT: Khodadoust, Mehran M.
; APPLICANT: Macbeth, Kyle J.
; APPLICANT: Busfield, Samantha J.
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Gu, Wei
; APPLICANT: White, David
; TITLE OF INVENTION: NOVEL ITALY, IOR-2, STRIPE, TRASH, BDSF, LRSG, AND
; TITLE OF INVENTION: SMER PROTEIN AND NUCLEIC ACID MOLECULES AND USES
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: MRL-121CP
; CURRENT APPLICATION NUMBER: US/09/782,980
; CURRENT FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/02125
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/448,076
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: 09/276,400
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: 60/117,580
; PRIOR FILING DATE: 1999-01-27
; PRIOR APPLICATION NUMBER: 09/014,195

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PRIOR FILING DATE: 1998-01-27  
 PRIOR APPLICATION NUMBER: 09/014,348  
 PRIOR FILING DATE: 1998-01-27  
 PRIOR APPLICATION NUMBER: 09/086,892  
 PRIOR FILING DATE: 1998-05-29  
 PRIOR APPLICATION NUMBER: 09/296,208  
 PRIOR FILING DATE: 1999-04-21  
 PRIOR APPLICATION NUMBER: 09/063,950  
 PRIOR FILING DATE: 1998-04-21  
 PRIOR APPLICATION NUMBER: 09/561,381  
 PRIOR FILING DATE: 2000-04-28  
 PRIOR APPLICATION NUMBER: 09/561,810  
 PRIOR FILING DATE: 2000-04-28  
 PRIOR APPLICATION NUMBER: 09/087,121  
 PRIOR FILING DATE: 1998-05-29  
 PRIOR APPLICATION NUMBER: 09/672,721  
 PRIOR FILING DATE: 2000-09-28  
 PRIOR APPLICATION NUMBER: 09/049,799  
 PRIOR FILING DATE: 1998-03-27  
 NUMBER OF SEQ ID NOS: 176  
 SOFTWARE: Patentl Ver. 2.0  
 SEQ ID NO 25  
 LENGTH: 555  
 TYPE: DNA  
 ORGANISM: Mus musculus  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (1)..(555)  
 US-09-782-980-25

Alignment Scores:  
 Pred. No.: 1,73e-37 Length: 555  
 Score: 437.50 Matches: 71  
 Percent Similarity: 66.67% Conservative: 29  
 Best Local Similarity: 47.33% Mismatches: 49  
 Query Match: 44.64% Indels: 1  
 Gaps: 1  
 DB:

US-09-695-369a-38 (1-173) x US-09-782-980-25 (1-555)

QY 2 AspCysGlnGluAsnGlnuTyrrTPaspGlnTrpGlyArgCysValThnCysGlnArgCys 21  
 DB 10 GATTGACGAGGACGAGGATTCAGATGATCGAAGTGTGCTCTGCAACAGCTGC 69  
 QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrrGlyGluGlyGlyAspAlaTyrrCys 41  
 T 70 GGACCTGGCATGAGATTGTCCAGAGATGTGCTTGGCTATGGGAGATGACAGTGT 129  
 QY 42 ThrAlaCysProProArgArgTyrrLysSerSerTrpGlyHisLysCysGlnSerCys 61  
 DB 130 GTGCTCTGAGGCGCCACCGCTTCAGAGAGACTGGGCTTCAGAGGTAGTACCATGT 189  
 QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81  
 DB 190 GCGGACTGTCGCTGTCGTAACCGCTTCAGAGGCGCACTGCTACACACAGTGTAGTGT 249  
 QY 82 ValCysGlyAspCysLeuProArgPheTyrrArgLysThrArgLysIleGlyGlyLeuGlnAsp 101  
 DB 250 GTCTGGGAGGACTGCTGCTCCAGAGATTTCAGGAGACCAACAGTGTGTTTCAAGAC 309  
 QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGlnValGlnCysAlaIleGln 121  
 DB 310 ATGGAGTGTGTGCTGCTGGGAGACCACTCTCTCCCTACAGACACACTGTACACAGAG 369  
 QY 122 LeuSerIleValGluAlaAspAlaProThrValProProGlnGlnAlaThrLeuValAla 141  
 DB 370 GTGACCTGTGTAAGATGCTCTGACCGTCCAGCGCTCGGAGACAGGCGCTGCTGCC 429  
 QY 142 LeuGluValCysCysSerLeuArgLeuIle 151  
 DB 430 GTC--ATCTGCAGTGTCTGTGCGACAGTGTG 456  
 RESULT 13

US-09-782-980-24  
 Sequence 24, Application US/09782980  
 Patent No. US20020072089A1  
 GENERAL INFORMATION:  
 APPLICANT: Rhodanost, Mehran M.  
 APPLICANT: MacBeth, Kyle J.  
 APPLICANT: Busfield, Samantha J.  
 APPLICANT: McCarthy, Sean A.  
 APPLICANT: Holtzman, Douglas A.  
 APPLICANT: Gu, Wei  
 APPLICANT: White, David  
 APPLICANT: Pan, Yang  
 TITLE OF INVENTION: NOVEL ITALY, LOR-2, SPRIFE, TRASH, BDSF, IRSF, AND  
 TITLE OF INVENTION: STYST PROTEIN AND NUCLEIC ACID MOLECULES AND USBS  
 FILE REFERENCE: MNI-121CP  
 CURRENT APPLICATION NUMBER: US/09/782,980  
 CURRENT FILING DATE: 2001-02-13  
 PRIOR FILING DATE: 2000-01-27  
 PRIOR APPLICATION NUMBER: PCT/US00/02125  
 PRIOR FILING DATE: 1999-11-23  
 PRIOR APPLICATION NUMBER: 09/276,400  
 PRIOR FILING DATE: 1999-03-25  
 PRIOR APPLICATION NUMBER: 60/117,580  
 PRIOR FILING DATE: 1999-01-27  
 PRIOR APPLICATION NUMBER: 09/014,195  
 PRIOR FILING DATE: 1998-01-27  
 PRIOR APPLICATION NUMBER: 09/014,348  
 PRIOR FILING DATE: 1998-01-27  
 PRIOR APPLICATION NUMBER: 09/086,892  
 PRIOR FILING DATE: 1998-05-29  
 PRIOR APPLICATION NUMBER: 09/296,208  
 PRIOR FILING DATE: 1999-04-21  
 PRIOR APPLICATION NUMBER: 09/063,950  
 PRIOR FILING DATE: 1998-04-21  
 PRIOR APPLICATION NUMBER: 09/561,381  
 PRIOR FILING DATE: 2000-04-28  
 PRIOR APPLICATION NUMBER: 09/561,810  
 PRIOR FILING DATE: 2000-04-28  
 PRIOR APPLICATION NUMBER: 09/087,121  
 PRIOR FILING DATE: 1998-05-29  
 PRIOR APPLICATION NUMBER: 09/672,721  
 PRIOR FILING DATE: 2000-09-28  
 PRIOR APPLICATION NUMBER: 09/049,799  
 PRIOR FILING DATE: 1998-03-27  
 NUMBER OF SEQ ID NOS: 176  
 SOFTWARE: Patentl Ver. 2.0  
 SEQ ID NO 24  
 LENGTH: 642  
 TYPE: DNA  
 ORGANISM: Mus musculus  
 FEATURE:  
 NAME/KEY: CDS  
 LOCATION: (1)..(642)  
 US-09-782-980-24

Alignment Scores:  
 Pred. No.: 2,12e-37 Length: 642  
 Score: 437.50 Matches: 71  
 Percent Similarity: 66.67% Conservative: 29  
 Best Local Similarity: 47.33% Mismatches: 49  
 Query Match: 44.64% Indels: 1  
 Gaps: 1  
 DB:

US-09-695-369a-38 (1-173) x US-09-782-980-24 (1-642)  
 QY 2 AspCysGlnGluAsnGlnuTyrrTPaspGlnTrpGlyArgCysValThnCysGlnArgCys 21  
 DB 97 GATTGACGAGGACGAGGATTCAGATGATCGAAGTGTGCTCTGCAACAGCTGC 156  
 QY 22 GlyProGlyGlnGluLeuSerLysAspCysGlyTyrrGlyGluGlyGlyAspAlaTyrrCys 41

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Db 157 GGACCTGGCAGTGGATTGTCCAAAGGATGTGGCTTGGCTATGGGAGGATGCACAGTGT 216
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTyrGlyHISHisLysCysGlnSerCys 61
Db 217 GTGACCTGGAGCCGACACCGGTTCAAGAGACACTGGGTTTCCAGAACTGTAAAGCAATGT 276
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 277 GCGAGACTGGGGCTGGTGGAGACCCCTTTCAGAGGGCACCACCTCCTACACACAGTGTGTGT 336
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgLysIleGlyLeuGlnAsp 101
Db 337 GTCTCGGGGACTGCTGCTGACGATTTTACCGGAAGACCAACTGTTGGTTTTCAGAGAC 396
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 397 ATGGAGTGTGGTGGCTCCGAGACCCACCTCCTCCAGACACACACCTGTACAGACAG 456
QY 122 LeuSerIleValGluAlaAspAlaProThrValProProGlnGluAlaThrIleValAla 141
Db 457 GTGACCTGTGGAGATCTCCTCCACCTGTCCAGACCCCTCGGAGACAGGCGTGGCTGCC 516
QY 142 LeuGluValCysCysSerLeuArgLeuIle 151
Db 517 GTC--ATCTGCAGTGCTCTGGCCACGGTG 543

RESULT 14
US-09-782-980-22
; Sequence 22, Application US/09782980
; Patent No. US20020072089A1
; GENERAL INFORMATION:
; APPLICANT: Rhododoult, Mehlan M.
; APPLICANT: Macbeth, Kyle J.
; APPLICANT: Busfield, Samantha J.
; APPLICANT: McCarthy, Sean A.
; APPLICANT: Holtzman, Douglas A.
; APPLICANT: Gu, Wei
; APPLICANT: White, David
; APPLICANT: Pan, Yang
; TITLE OF INVENTION: NOVEL ITALY, LOR-2, STRIPE, TRASH, BDSF, IRSG, AND
; TITLE OF INVENTION: STRIP PROTEIN AND NUCLEIC ACID MOLECULES AND USES
; FILE REFERENCE: NMT-121CP
; CURRENT APPLICATION NUMBER: US/09/782,980
; CURRENT FILING DATE: 2001-02-13
; PRIOR APPLICATION NUMBER: PCT/US00/02125
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: 09/448,076
; PRIOR FILING DATE: 1999-11-23
; PRIOR APPLICATION NUMBER: 09/276,400
; PRIOR FILING DATE: 1999-03-25
; PRIOR APPLICATION NUMBER: 60/117,580
; PRIOR FILING DATE: 1999-01-27
; PRIOR APPLICATION NUMBER: 09/014,195
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/014,348
; PRIOR FILING DATE: 1998-01-27
; PRIOR APPLICATION NUMBER: 09/086,892
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/296,208
; PRIOR FILING DATE: 1999-04-21
; PRIOR APPLICATION NUMBER: 09/063,950
; PRIOR FILING DATE: 1998-04-21
; PRIOR APPLICATION NUMBER: 09/561,381
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/561,810
; PRIOR FILING DATE: 2000-04-28
; PRIOR APPLICATION NUMBER: 09/087,121
; PRIOR FILING DATE: 1998-05-29
; PRIOR APPLICATION NUMBER: 09/672,721
; PRIOR FILING DATE: 2000-09-28
; PRIOR APPLICATION NUMBER: 09/049,799
; PRIOR FILING DATE: 1998-03-27

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; NUMBER OF SEQ ID NOS: 176
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 22
; LENGTH: 981
; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (107)..(748)
US-09-782-980-22

Alignment Scores:
Pred. No.: 3,79e-37 Length: 981
Score: 437.50 Matches: 71
Percent Similarity: 66.67% Conservative: 29
Best Local Similarity: 47.33% Mismatches: 49
Query Match: 44.64% Indels: 1
DB: Gaps: 10

US-09-695-369a-38 (1-173) x US-09-782-980-22 (1-981)

QY 2 AspCysGlnGluAsnGluTyrTyrPaspGlnTyrGlyArgCysValThrCysGlnArgCys 21
Db 203 GATTCGAGGACACAGGATTCAGAGATCTGGAACCTGTCTCTCCACACAGTGC 262
QY 22 GlyProGlnGlnLeuSerLysAspCysGlyTyrGlyGlnGlyAspAlaTyrCys 41
Db 263 GGAACCTGGAGATGATTTGTCCAGAGATGTGGCTTGGGAGATGCACAGTGT 322
QY 42 ThrAlaCysProProArgArgTyrLysSerSerTyrGlyHISHisLysCysGlnSerCys 61
Db 323 GTGCCCTGGAGGCGGACCGGTTCAAGGAAGACTGGGGTTTCCAGAACTGTAGCCATGT 382
QY 62 IleThrCysAlaValIleAsnArgValGlnLysValAsnCysThrAlaThrSerAsnAla 81
Db 383 GCGAGCTGTGGCTGGTGAACCGCTTCAGAGGCCAACCTGTCCACACACAGTGTGT 442
QY 82 ValCysGlyAspCysLeuProArgPheTyrArgLysThrArgLysIleGlyLeuGlnAsp 101
Db 443 GTCTCGGGGACTGCTCCTCCAGGATTTTACCGGAAGACCAACGTGTGTTTTCAGAGC 502
QY 102 GlnGluCysIleProCysThrLysGlnThrProThrSerGluValGlnCysAlaPheGln 121
Db 503 ATGAGTGTGTGCTCCCTCGGAGACCCACCTCCTCCTACGACACACACCTGTACCAAGC 562
QY 122 LeuSerIleValGluAlaAspAlaProThrValProProGlnGluAlaThrIleValAla 141
Db 563 GTGACCTGTGGAGATCTCCTCCACCTGTCCAGACCCCTCGGAGACAGGCGCTGGCTGCC 622
QY 142 LeuGluValCysCysSerLeuArgLeuIle 151
Db 623 GTC--ATCTGCAGTGCTCTGGCCACGGTG 649

RESULT 15
US-09-780-532-5
; Sequence 5, Application US/09780532
; Patent No. US20020068696A1
; GENERAL INFORMATION:
; APPLICANT: Wood, Clive
; APPLICANT: Chaudhary, Divya
; APPLICANT: Long, Andrew
; TITLE OF INVENTION: TRADE MOLECULES, AND USES RELATED THERETO
; FILE REFERENCE: GNN-012CP
; CURRENT APPLICATION NUMBER: US/09/780,532
; CURRENT FILING DATE: 2001-02-09
; PRIOR APPLICATION NUMBER: 60/181,922
; PRIOR FILING DATE: 2000-02-11
; PRIOR APPLICATION NUMBER: 60/182,148
; PRIOR FILING DATE: 2000-02-14
; NUMBER OF SEQ ID NOS: 10
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 1914

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; TYPE: DNA
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)..(1248)
;
US-09-780-532-5

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Alignment Scores:

Pred. No.:	9.5e-37	Length:	191
Score:	437.50	Matches:	71
Percent Similarity:	66.67%	Conservative:	29
Best Local Similarity:	47.33%	Mismatches:	4
Query Match:	44.64%	Indels:	1
DB:	10	Gaps:	1

US-09-695-369A-38 (1-173) x US-09-780-532-5 (1-1914)

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00. 2 aapcygslnglnsluandlutrtttrpaspclntppgltyalgcysvalthrcysglharcys 21
01. 22 glyproglnglnleuSerlyaspcysgltyrtyglnglnlglyaspalaatyCys 41
02. 157 gaaCTGGCAAGAGATTGTTCACAGAAATATGGCTTGCGCTATGGGAGATCAAGATC 216
03. 42 thralaCyspproPArGARgArtyrllylSerSetrttPgllyhshlyscysglbserCys 61
04. 217 gTGGCCCTCAGGCGGCGACCGGATTCAGAAAGAACTGGGGGTGCCAGAAAGTAAGCATGT 276
05. 62 lIethCysAlaValllheasnaryAlGlnlValAsnCysThralaThSerAsnAla 81
06. 277 GCGGACGTGGCGCTGGTGAAGACCGCTTTCAGAGGGCCAACTGCTCACAACACAGTATGCT 336
07. 82 ValCysglAspCysleuPArhPherlyrtyrtyllylSerlyleuGlnasp 101
08. 337 GTCTGGGGGAGCTCCCTGCCACAGATTTCACAGAAACCAACAGGTTGGTTTCAAC 366
09. 102 GlnGlnCysllleProCysThrllysglInthProThSerGlnValGlnCysAlaPheGln 121
10. 397 ATGGAATGTGGCCCTCGGAATCCACCACTTCCTCTCTACGAACCAACAGCTGTACACGAG 456
11. 122 leuSerleuValAluaLaasPAlaProThValProProGlnGlnAlaThrleuValAla 141
12. 457 GTGAACCTTGGAAGATCTCCACCAACCTTCACAGCCTCGGGACACAGGGCGTGGCTCC 516
13. 142 leuGlnlValCysCysSerleuArGleuile 151
14. 517 GTC--ATCTGGAGTGTCTGGCGACCGGTG 543

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Search completed: January 15, 2003, 17:35:43  
Job time : 180.902 secs